

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG033123\
 Data File : BG056944.D
 Acq On : 31 Mar 2023 14:50
 Operator : CG/JU
 Sample : 01627-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023

Quant Time: Apr 01 02:35:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 03:23:11 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 04/03/2023
 Supervised By : Jagrut Upadhyay 04/03/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.414	152	16163	20.000	ng	0.00
21) Naphthalene-d8	11.257	136	62889	20.000	ng	# 0.00
39) Acenaphthene-d10	15.029	164	52561	20.000	ng	0.00
64) Phenanthrene-d10	17.766	188	130969	20.000	ng	0.00
76) Chrysene-d12	22.090	240	127291	20.000	ng	# 0.00
86) Perylene-d12	25.632	264	137210	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.918	112	99519	98.543	ng	0.00
7) Phenol-d6	7.539	99	147808	97.858	ng	0.00
23) Nitrobenzene-d5	9.589	82	120028	78.094	ng	0.00
42) 2,4,6-Tribromophenol	16.509	330	87347	104.024	ng	0.00
45) 2-Fluorobiphenyl	13.654	172	292414	75.439	ng	0.00
79) Terphenyl-d14	20.339	244	574082	76.316	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.726	88	3492	7.888	ng	91
3) Pyridine	4.155	79	8946	6.274	ng	95
4) n-Nitrosodimethylamine	4.055	42	4620	7.047	ng	# 80
6) Aniline	7.721	93	13476	6.979	ng	99
8) 2-Chlorophenol	7.974	128	7200	7.158	ng	85
9) Benzaldehyde	7.533	77	8327	8.789	ng	92
10) Phenol	7.568	94	9653	6.450	ng	95
11) bis(2-Chloroethyl)ether	7.809	93	7686	7.209	ng	96
12) 1,3-Dichlorobenzene	8.303	146	8865	7.976	ng	98
13) 1,4-Dichlorobenzene	8.449	146	8512	7.588	ng	91
14) 1,2-Dichlorobenzene	8.773	146	7743	7.144	ng	95
15) Benzyl Alcohol	8.637	79	8309	6.620	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.919	45	9375	7.297	ng	90
17) 2-Methylphenol	8.843	107	6902	6.464	ng	# 85
18) Hexachloroethane	9.519	117	3014	7.351	ng	# 82
19) n-Nitroso-di-n-propyla...	9.207	70	7826	7.244	ng	# 97
20) 3+4-Methylphenols	9.166	107	9177	6.146	ng	97
22) Acetophenone	9.237	105	13990	7.476	ng	# 95
24) Nitrobenzene	9.636	77	11837	7.533	ng	# 96
25) Isophorone	10.153	82	20662	7.060	ng	# 95
26) 2-Nitrophenol	10.347	139	4107	6.771	ng	# 75
27) 2,4-Dimethylphenol	10.388	122	7796	7.280	ng	93
28) bis(2-Chloroethoxy)met...	10.623	93	10574	7.216	ng	# 97
29) 2,4-Dichlorophenol	10.881	162	7693	6.680	ng	88
30) 1,2,4-Trichlorobenzene	11.111	180	9098	7.435	ng	94
31) Naphthalene	11.304	128	24436	7.129	ng	96
32) Benzoic acid	10.459	122	2860m	3.888	ng	
33) 4-Chloroaniline	11.404	127	10892	7.035	ng	# 93
34) Hexachlorobutadiene	11.586	225	6622	7.204	ng	90
35) Caprolactam	12.139	113	3083	7.762	ng	# 62
36) 4-Chloro-3-methylphenol	12.485	107	8616	6.690	ng	90
37) 2-Methylnaphthalene	12.879	142	19058	7.005	ng	96
38) 1-Methylnaphthalene	13.102	142	17556	6.872	ng	# 91
40) 1,2,4,5-Tetrachloroben...	13.237	216	13493	7.403	ng	96
41) Hexachlorocyclopentadiene	13.214	237	7010	6.980	ng	91
43) 2,4,6-Trichlorophenol	13.472	196	7542m	6.484	ng	

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 ALS Vial : 11 Sample Multiplier: 1

Instrument :
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 LOD-MDL-SOIL-01-QT1-2023

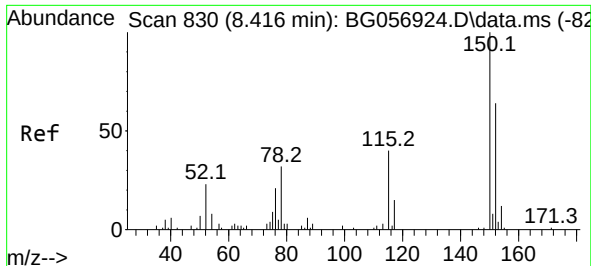
Quant Time: Apr 01 02:35:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
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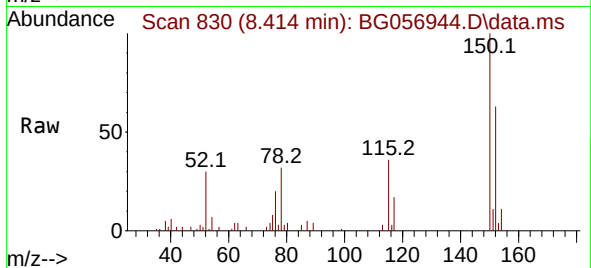
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.537	196	8309	6.030	ng	# 97
46) 1,1'-Biphenyl	13.866	154	26857	6.980	ng	91
47) 2-Chloronaphthalene	13.913	162	19856	6.978	ng	96
48) 2-Nitroaniline	14.101	65	6714	6.598	ng	98
49) Acenaphthylene	14.753	152	32383	6.926	ng	99
50) Dimethylphthalate	14.459	163	28439	6.867	ng	98
51) 2,6-Dinitrotoluene	14.588	165	5824	6.509	ng	94
52) Acenaphthene	15.093	154	21942	6.805	ng	92
53) 3-Nitroaniline	14.917	138	6252	7.059	ng	# 92
54) 2,4-Dinitrophenol	15.117	184	2199	4.366	ng	# 79
55) Dibenzofuran	15.422	168	33528	6.928	ng	94
56) 4-Nitrophenol	15.199	139	4102	6.263	ng	92
57) 2,4-Dinitrotoluene	15.364	165	8267	6.551	ng	# 97
58) Fluorene	16.063	166	28689	7.164	ng	90
59) 2,3,4,6-Tetrachlorophenol	15.640	232	7627	6.079	ng	# 97
60) Diethylphthalate	15.810	149	28974	6.979	ng	97
61) 4-Chlorophenyl-phenyle...	16.051	204	16435	6.990	ng	92
62) 4-Nitroaniline	16.069	138	6289	6.853	ng	83
63) Azobenzene	16.339	77	28224	6.821	ng	97
65) 4,6-Dinitro-2-methylph...	16.127	198	4379	5.521	ng	82
66) n-Nitrosodiphenylamine	16.257	169	23889	6.795	ng	98
67) 4-Bromophenyl-phenylether	16.944	248	10344	6.383	ng	90
68) Hexachlorobenzene	17.067	284	12056	7.525	ng	99
69) Atrazine	17.185	200	11047	7.570	ng	98
70) Pentachlorophenol	17.414	266	4857	4.226	ng	93
71) Phenanthrene	17.807	178	46431	6.953	ng	98
72) Anthracene	17.901	178	47540	6.945	ng	99
73) Carbazole	18.160	167	41502	6.954	ng	98
74) Di-n-butylphthalate	18.689	149	47301	6.844	ng	99
75) Fluoranthene	19.793	202	59310	7.007	ng	96
77) Benzidine	19.963	184	34605	9.946	ng	98
78) Pyrene	20.157	202	59706	6.782	ng	97
80) Butylbenzylphthalate	21.021	149	19481	6.430	ng	94
81) Benzo(a)anthracene	22.066	228	60159	6.830	ng	99
82) 3,3'-Dichlorobenzidine	21.966	252	24524	8.245	ng	99
83) Chrysene	22.137	228	55557	6.736	ng	97
84) Bis(2-ethylhexyl)phtha...	21.925	149	29065	6.625	ng	96
85) Di-n-octyl phthalate	23.247	149	47861	6.474	ng	99
87) Indeno(1,2,3-cd)pyrene	29.709	276	70247	6.927	ng	# 80
88) Benzo(b)fluoranthene	24.492	252	60758	7.081	ng	100
89) Benzo(k)fluoranthene	24.569	252	61525m	7.183	ng	
90) Benzo(a)pyrene	25.468	252	54901	6.512	ng	# 92
91) Dibenzo(a,h)anthracene	29.791	278	58091	6.969	ng	95
92) Benzo(g,h,i)perylene	30.990	276	55788	6.835	ng	# 97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.414 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

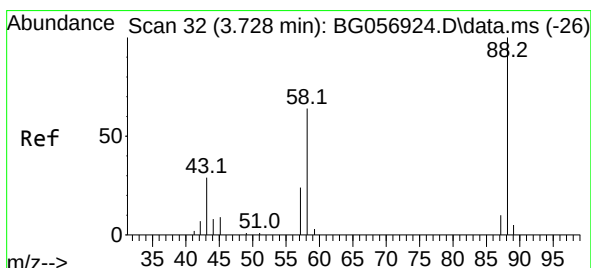
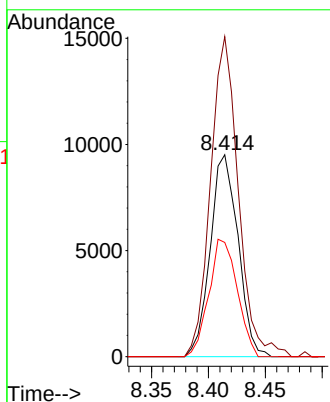
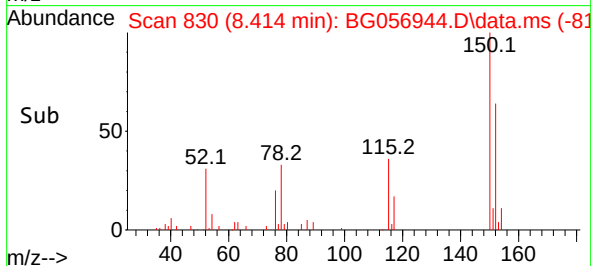
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:152 Resp: 1616
Ion Ratio Lower Upper
152 100
150 158.5 124.1 186.1
115 56.6 49.1 73.7

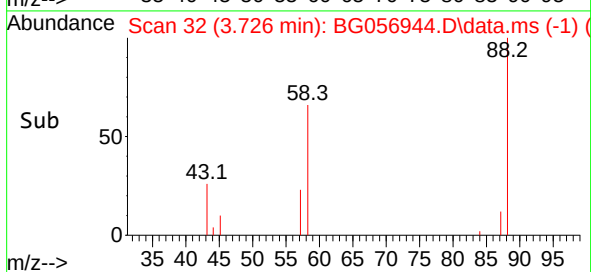
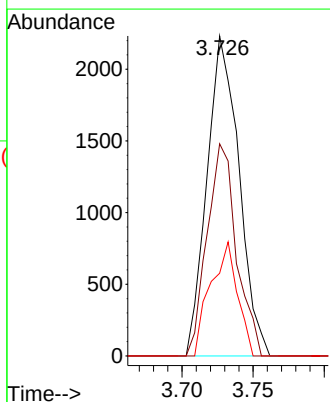
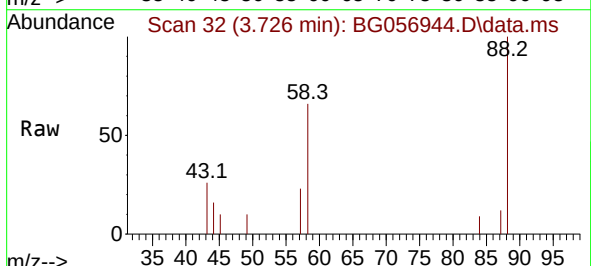
Manual Integrations
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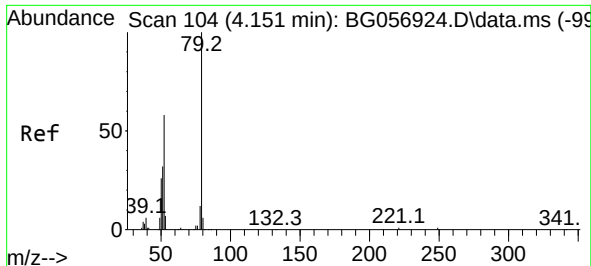
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#2
1,4-Dioxane
Concen: 7.888 ng
RT: 3.726 min Scan# 32
Delta R.T. -0.002 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

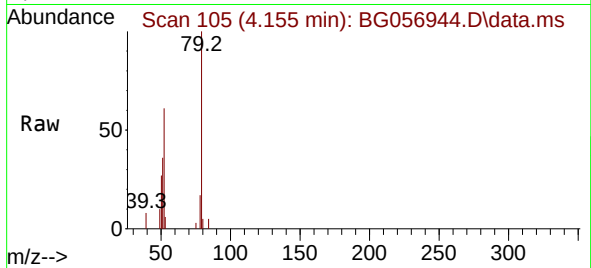
Tgt Ion: 88 Resp: 3492
Ion Ratio Lower Upper
88 100
58 60.9 55.9 83.9
43 30.0 25.7 38.5





#3
Pyridine
Concen: 6.274 ng
RT: 4.155 min Scan# 104
Delta R.T. 0.004 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

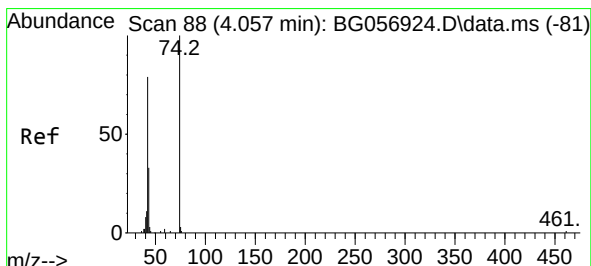
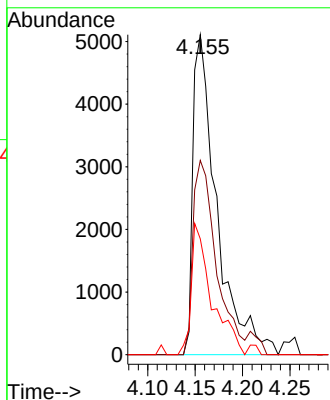
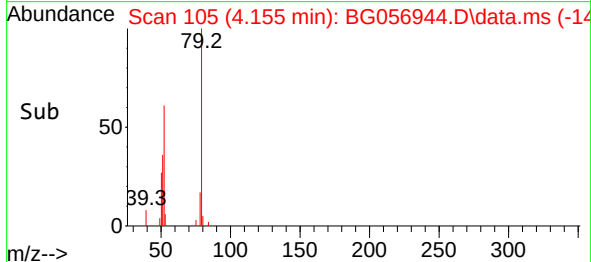
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 79 Resp: 8940
Ion Ratio Lower Upper
79 100
52 60.7 46.1 69.1
51 36.2 26.1 39.1

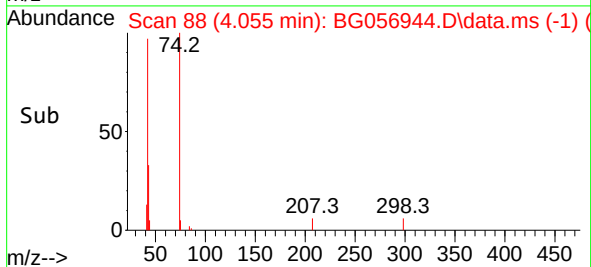
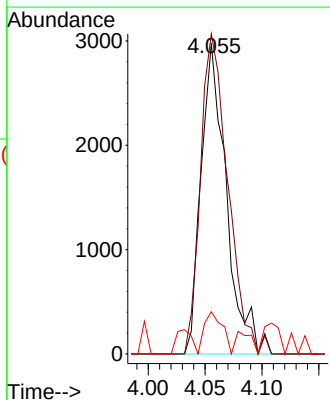
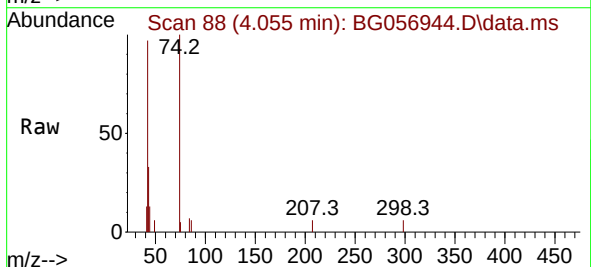
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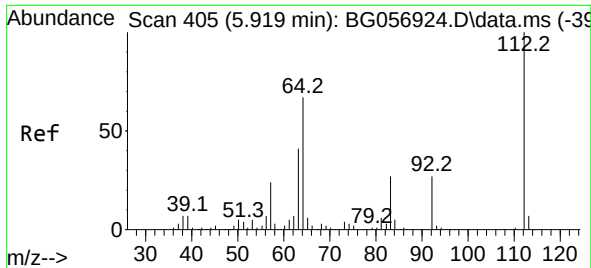
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#4
n-Nitrosodimethylamine
Concen: 7.047 ng
RT: 4.055 min Scan# 88
Delta R.T. -0.002 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

Tgt Ion: 42 Resp: 4620
Ion Ratio Lower Upper
42 100
74 103.0 100.6 151.0
44 13.6 4.6 7.0#





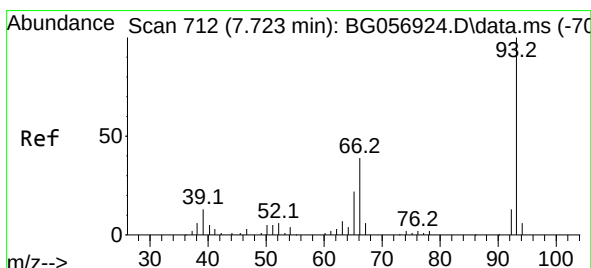
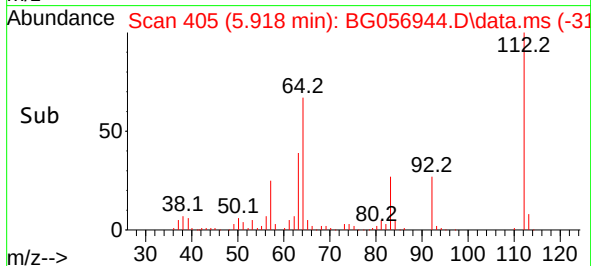
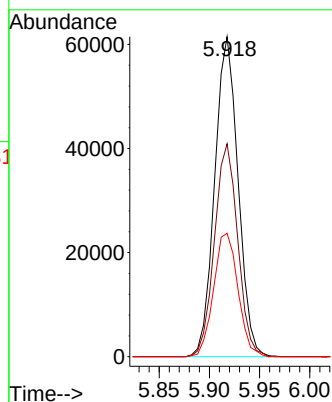
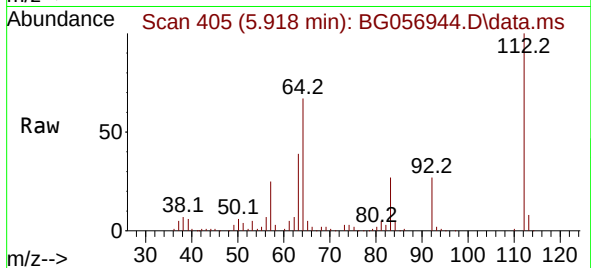
#5
2-Fluorophenol
Concen: 98.543 ng
RT: 5.918 min Scan# 405
Delta R.T. -0.002 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:112 Resp: 99519
Ion Ratio Lower Upper
112 100
64 66.5 53.2 79.8
63 38.6 32.6 48.8

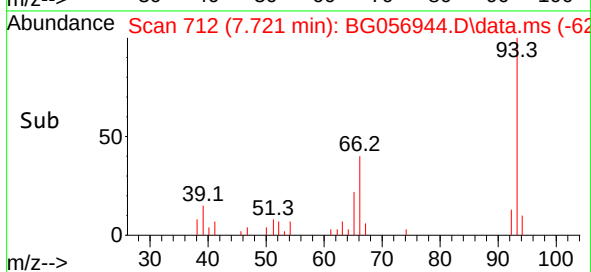
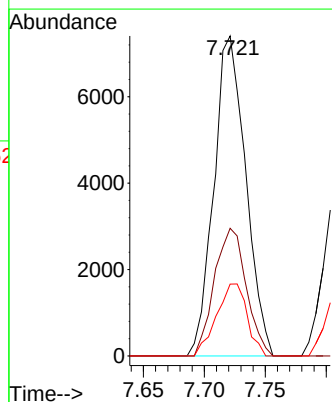
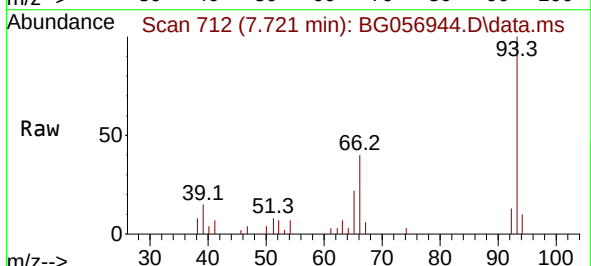
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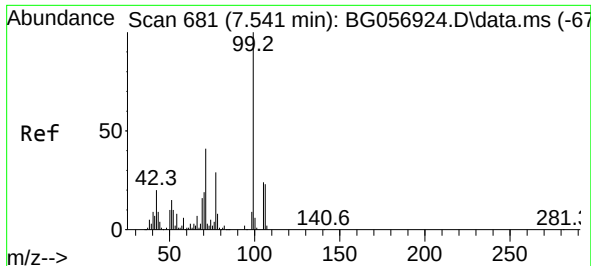
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#6
Aniline
Concen: 6.979 ng
RT: 7.721 min Scan# 712
Delta R.T. -0.002 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

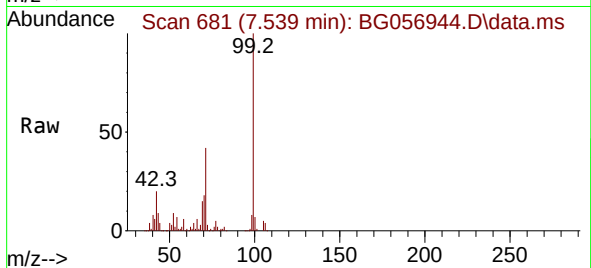
Tgt Ion: 93 Resp: 13476
Ion Ratio Lower Upper
93 100
66 39.9 31.4 47.0
65 22.5 17.3 25.9





#7
Phenol-d6
Concen: 97.858 ng
RT: 7.539 min Scan# 681
Delta R.T. -0.002 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

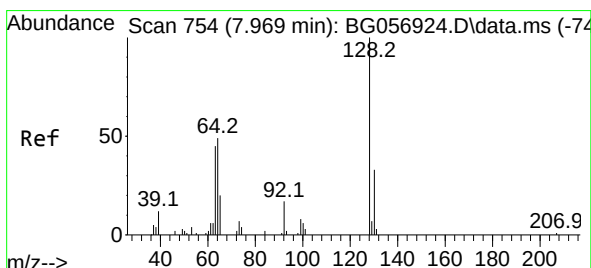
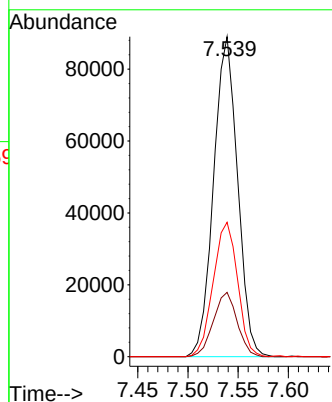
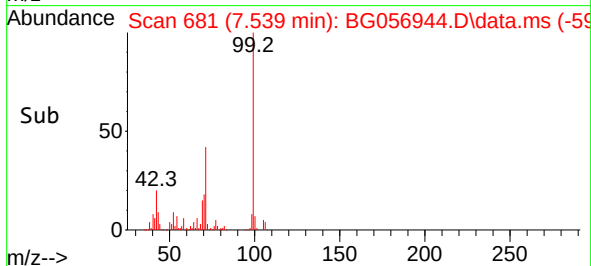
Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 99 Resp: 147808
Ion Ratio Lower Upper
99 100
42 20.1 15.7 23.5
71 42.0 32.5 48.7

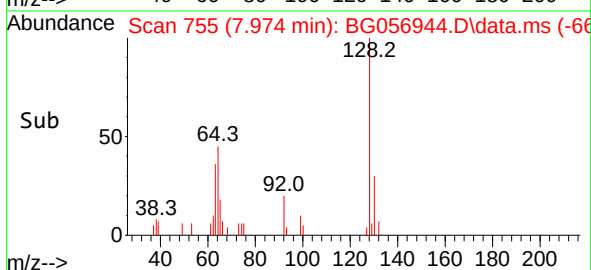
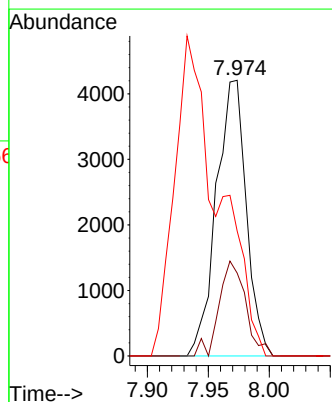
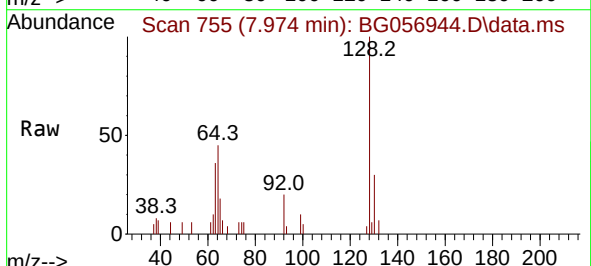
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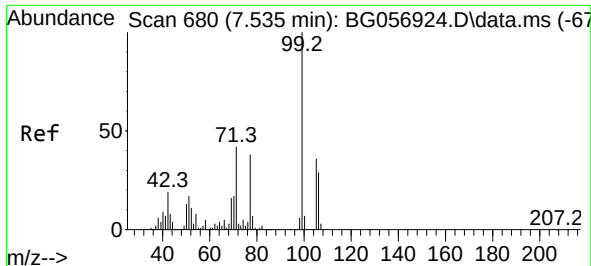
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#8
2-Chlorophenol
Concen: 7.158 ng
RT: 7.974 min Scan# 755
Delta R.T. 0.004 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

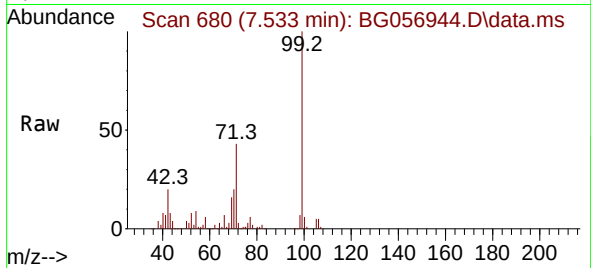
Tgt Ion:128 Resp: 7200
Ion Ratio Lower Upper
128 100
130 30.1 12.6 52.6
64 45.3 40.6 80.6





#9
Benzaldehyde
Concen: 8.789 ng
RT: 7.533 min Scan# 680
Delta R.T. -0.002 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

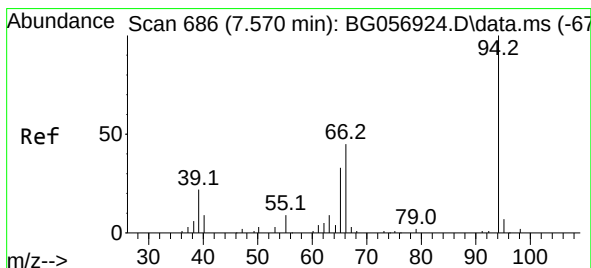
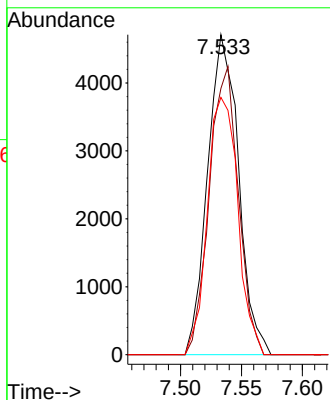
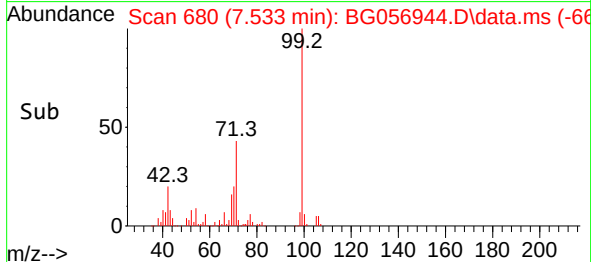
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 77 Resp: 832
Ion Ratio Lower Upper
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105 83.2 73.6 113.6
106 80.4 56.7 96.7

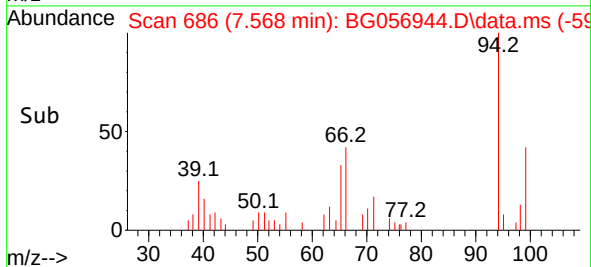
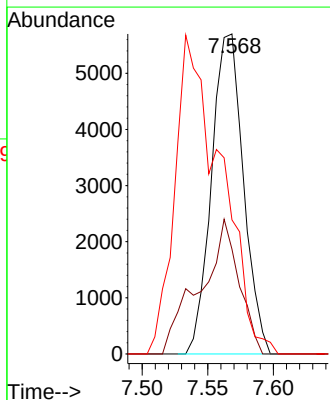
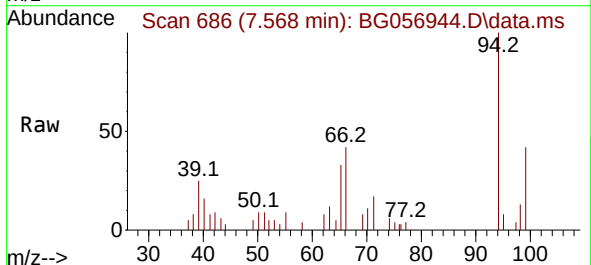
Manual Integrations
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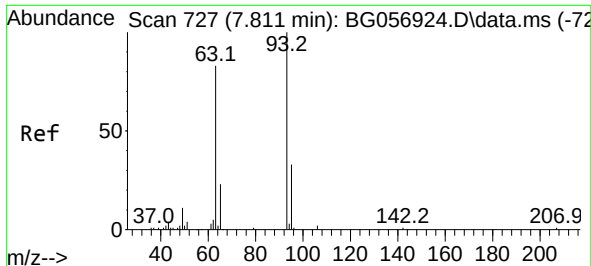
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#10
Phenol
Concen: 6.450 ng
RT: 7.568 min Scan# 686
Delta R.T. -0.002 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

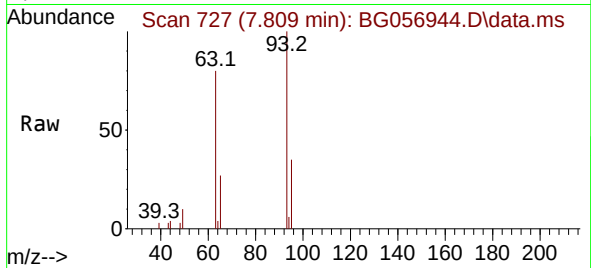
Tgt Ion: 94 Resp: 9653
Ion Ratio Lower Upper
94 100
65 32.7 13.3 53.3
66 41.9 26.7 66.7





#11
bis(2-Chloroethyl)ether
Concen: 7.209 ng
RT: 7.809 min Scan# 727
Delta R.T. -0.002 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

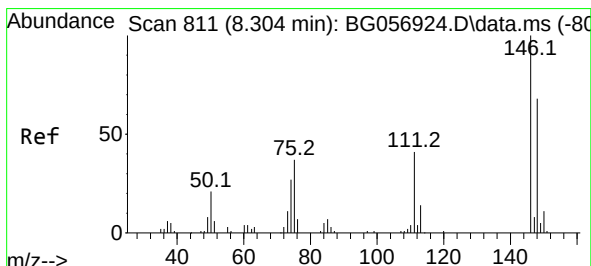
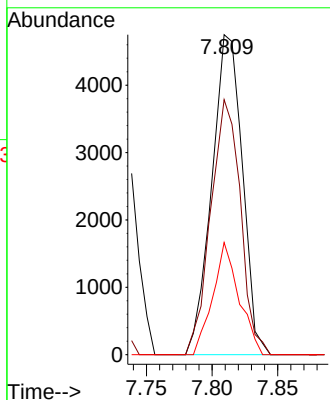
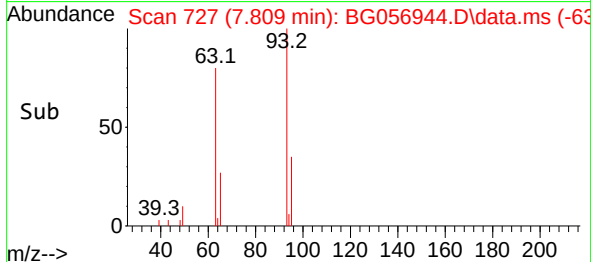
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 93 Resp: 7680
Ion Ratio Lower Upper
93 100
63 79.7 62.7 102.7
95 35.0 12.3 52.3

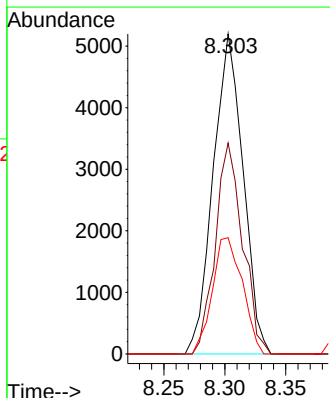
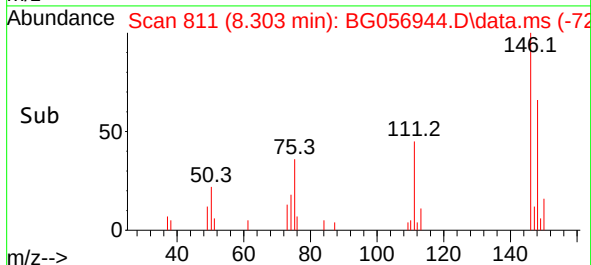
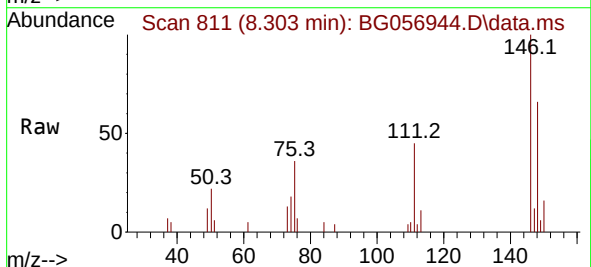
Manual Integrations
APPROVED

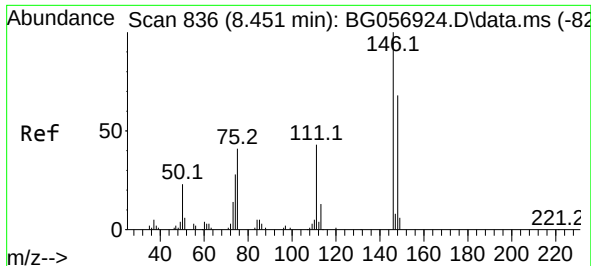
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#12
1,3-Dichlorobenzene
Concen: 7.976 ng
RT: 8.303 min Scan# 811
Delta R.T. -0.002 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

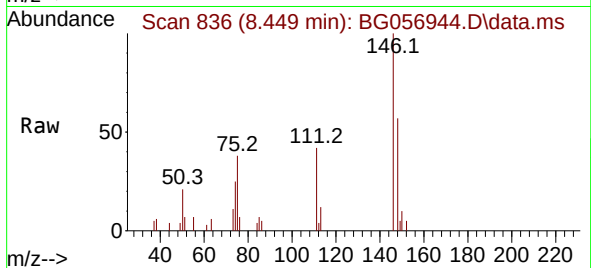
Tgt Ion:146 Resp: 8865
Ion Ratio Lower Upper
146 100
148 65.9 54.2 81.4
75 36.3 29.8 44.8





#13
1,4-Dichlorobenzene
Concen: 7.588 ng
RT: 8.449 min Scan# 811
Delta R.T. -0.002 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

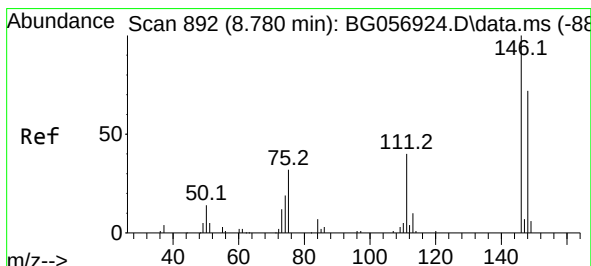
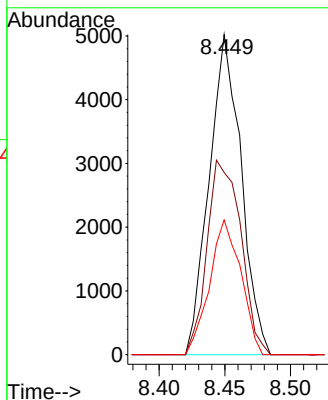
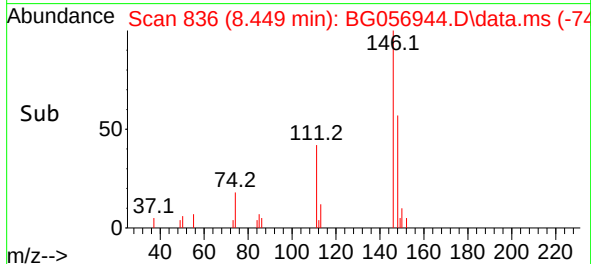
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



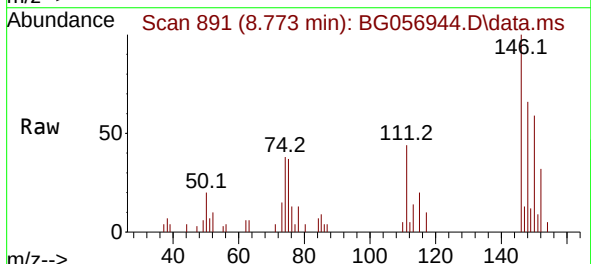
Tgt Ion:146 Resp: 851
Ion Ratio Lower Upper
146 100
148 57.0 54.8 82.2
111 42.1 34.6 52.0

Manual Integrations
APPROVED

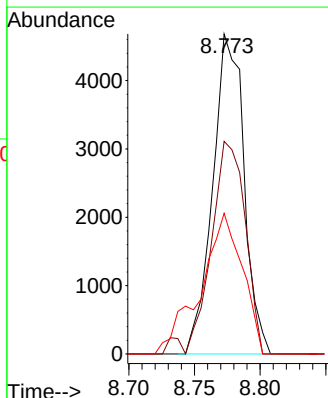
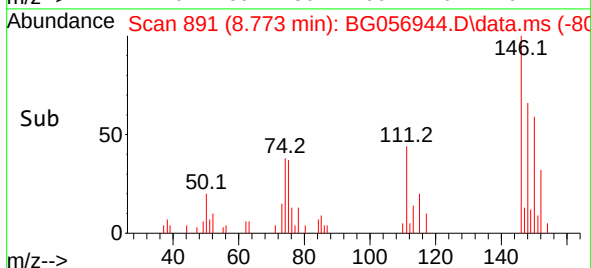
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

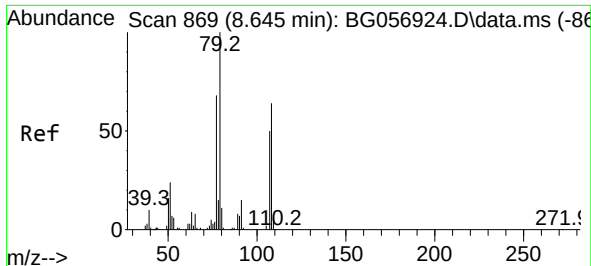


#14
1,2-Dichlorobenzene
Concen: 7.144 ng
RT: 8.773 min Scan# 891
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50



Tgt Ion:146 Resp: 7743
Ion Ratio Lower Upper
146 100
148 66.4 57.4 86.0
111 44.0 33.2 49.8





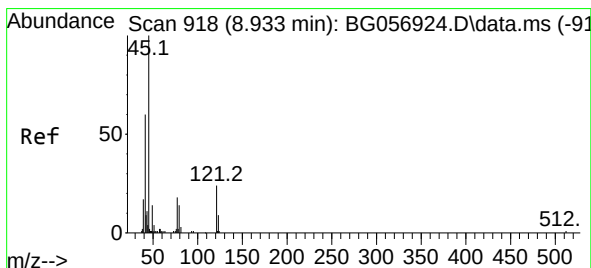
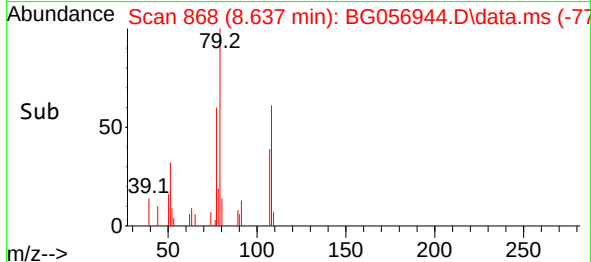
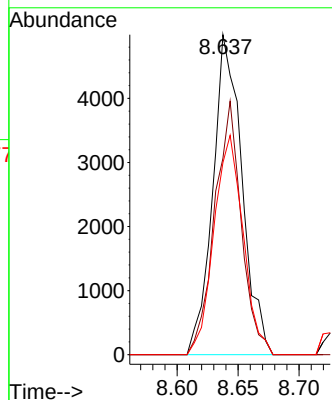
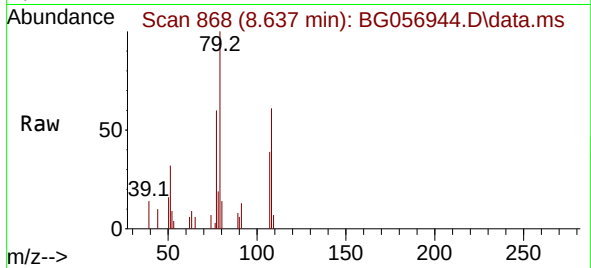
#15
Benzyl Alcohol
Concen: 6.620 ng
RT: 8.637 min Scan# 869
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 79 Resp: 8309
Ion Ratio Lower Upper
79 100
108 61.4 51.2 76.8
77 60.0 54.4 81.6

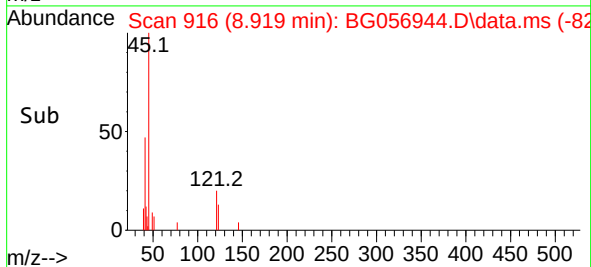
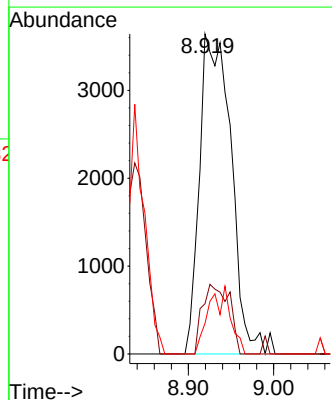
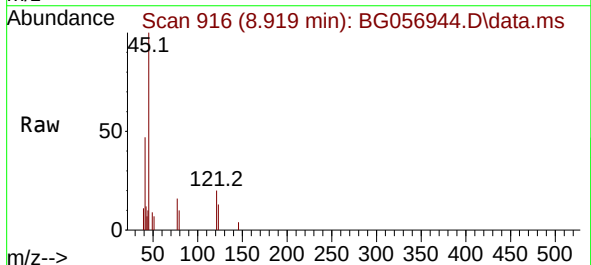
Manual Integrations
APPROVED

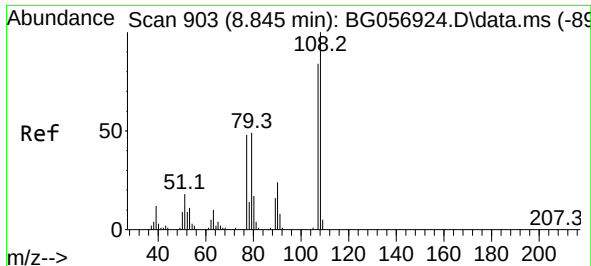
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.297 ng
RT: 8.919 min Scan# 916
Delta R.T. -0.013 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

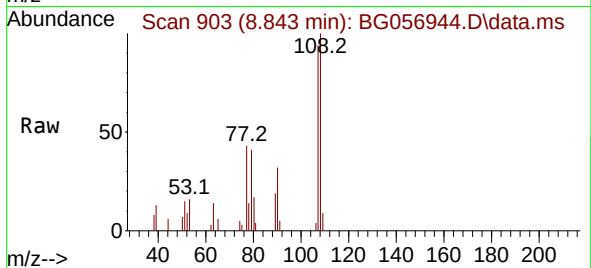
Tgt Ion: 45 Resp: 9375
Ion Ratio Lower Upper
45 100
77 15.7 0.0 38.7
79 9.6 0.0 35.1





#17
2-Methylphenol
Concen: 6.464 ng
RT: 8.843 min Scan# 903
Delta R.T. -0.002 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

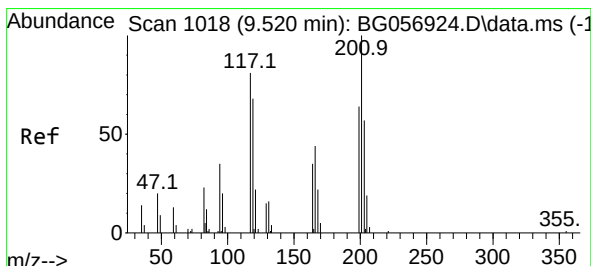
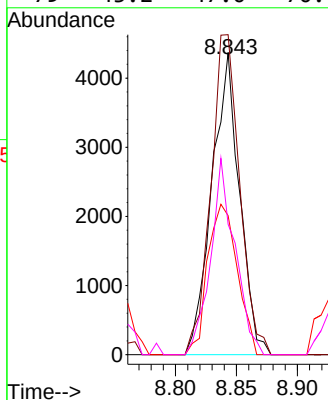
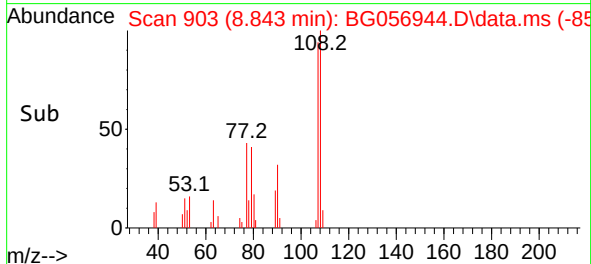
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:	107	Resp:	690
Ion	Ratio	Lower	Upper
107	100		
108	105.9	96.0	144.0
77	46.0	45.6	68.4
79	43.2	47.0	70.4

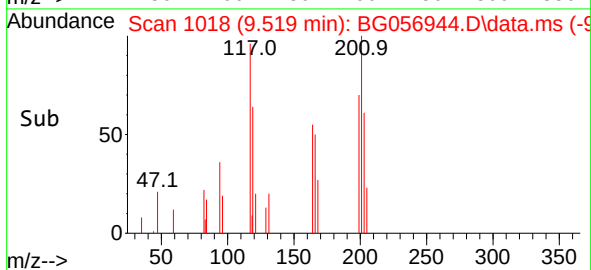
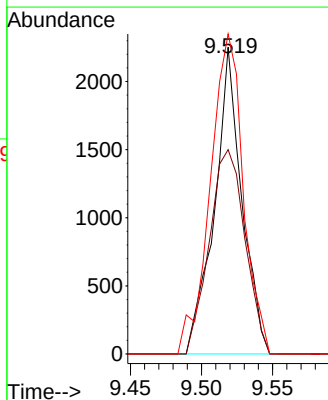
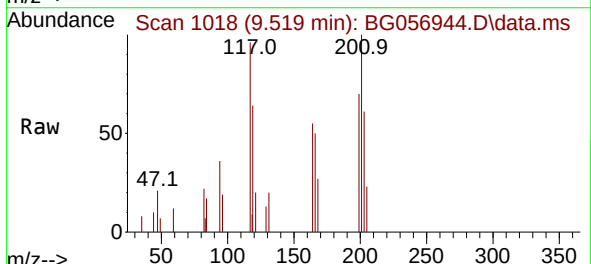
Manual Integrations
APPROVED

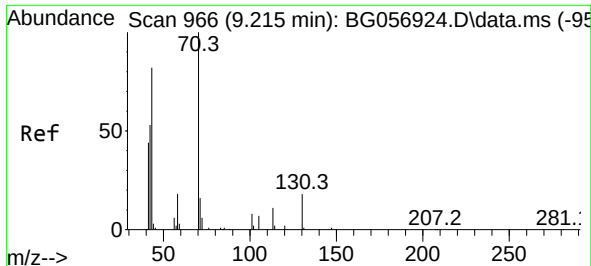
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#18
Hexachloroethane
Concen: 7.351 ng
RT: 9.519 min Scan# 1018
Delta R.T. -0.002 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

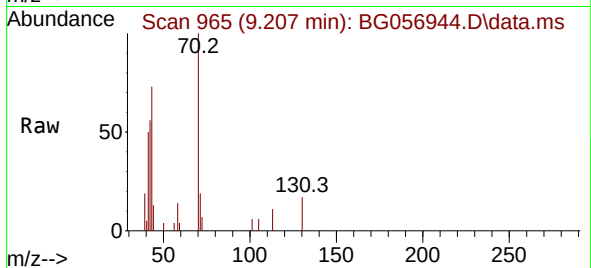
Tgt Ion:	117	Resp:	3014
Ion	Ratio	Lower	Upper
117	100		
119	66.6	67.0	100.6
201	104.3	98.7	148.1





#19
n-Nitroso-di-n-propylamine
Concen: 7.244 ng
RT: 9.207 min Scan# 90
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

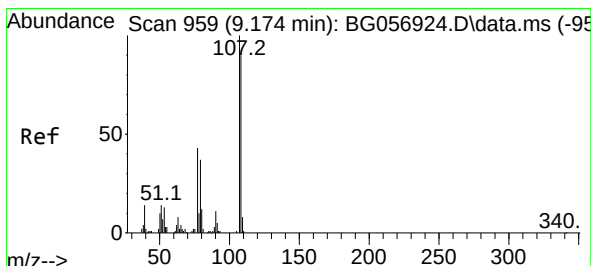
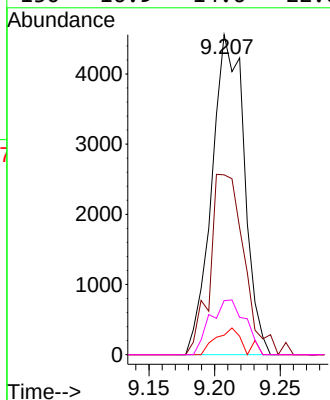
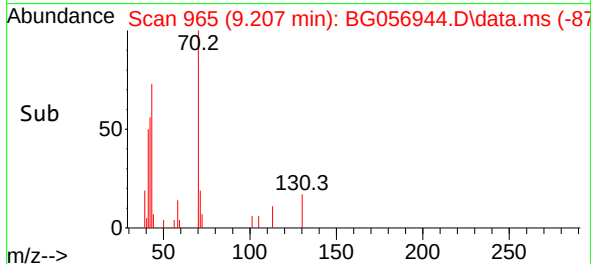
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 70 Resp: 7820
Ion Ratio Lower Upper
70 100
42 56.2 43.4 65.0
101 6.1 6.2 9.2
130 16.9 14.6 22.0

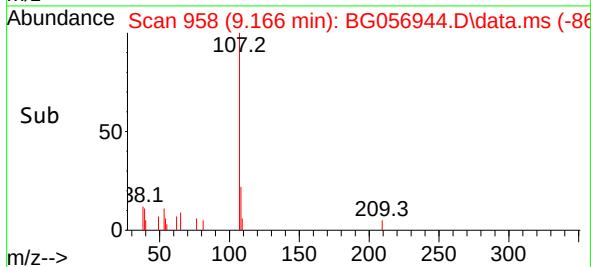
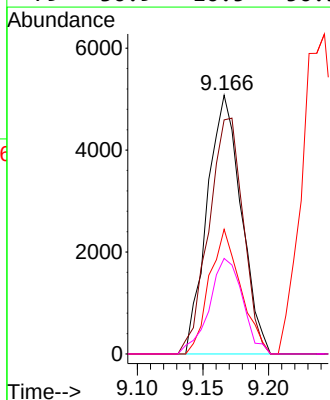
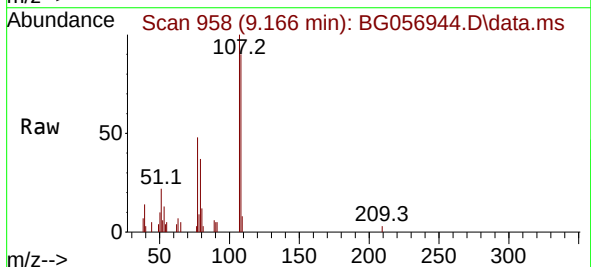
Manual Integrations
APPROVED

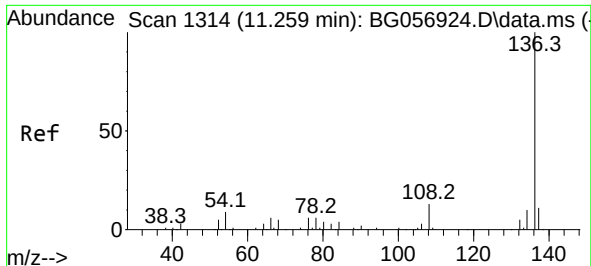
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#20
3+4-Methylphenols
Concen: 6.146 ng
RT: 9.166 min Scan# 958
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

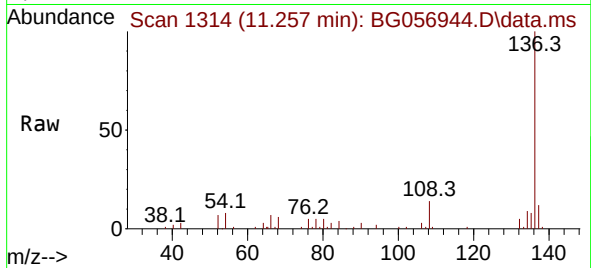
Tgt Ion:107 Resp: 9177
Ion Ratio Lower Upper
107 100
108 90.4 69.9 109.9
77 48.2 22.7 62.7
79 36.9 16.5 56.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.257 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

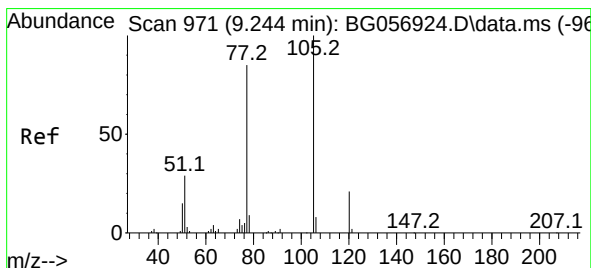
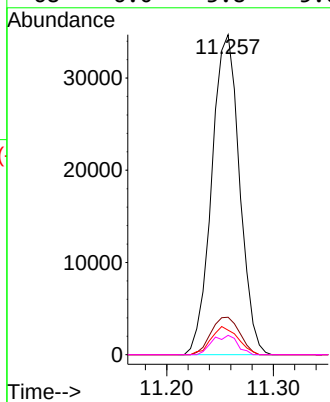
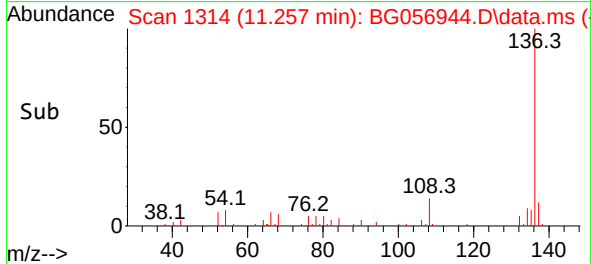
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:136 Resp: 62889
Ion Ratio Lower Upper
136 100
137 11.7 8.6 13.0
54 7.7 6.9 10.3
68 6.0 3.8 5.6#

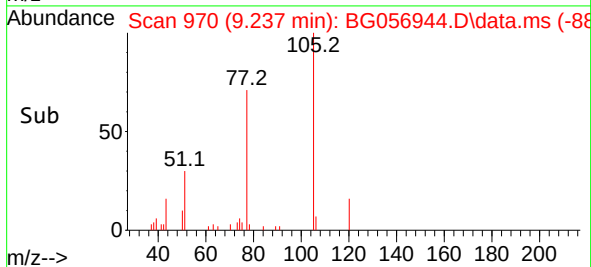
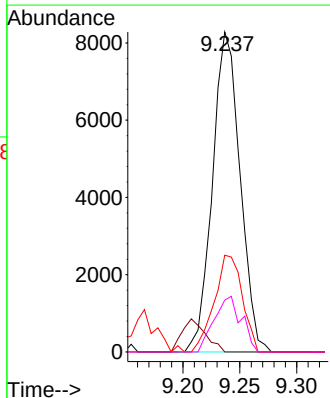
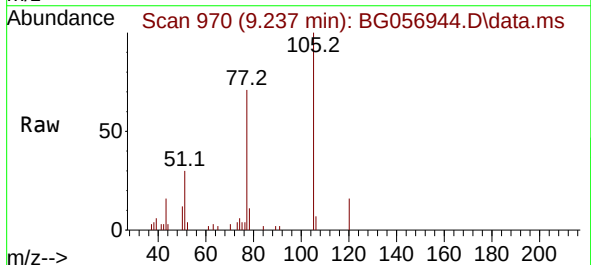
Manual Integrations
APPROVED

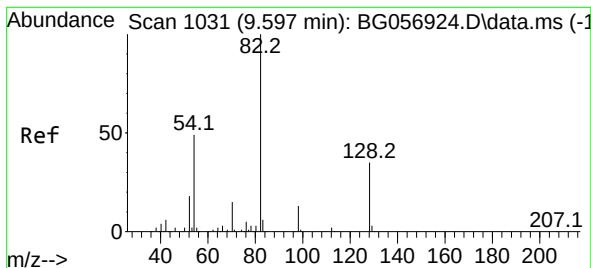
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#22
Acetophenone
Concen: 7.476 ng
RT: 9.237 min Scan# 970
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

Tgt Ion:105 Resp: 13990
Ion Ratio Lower Upper
105 100
71 0.0 0.7 1.1#
51 30.3 23.8 35.8
120 16.2 17.0 25.4#





#23

Nitrobenzene-d5

Concen: 78.094 ng

RT: 9.589 min Scan# 1030

Delta R.T. -0.008 min

Lab File: BG056944.D

Acq: 31 Mar 2023 14:50

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

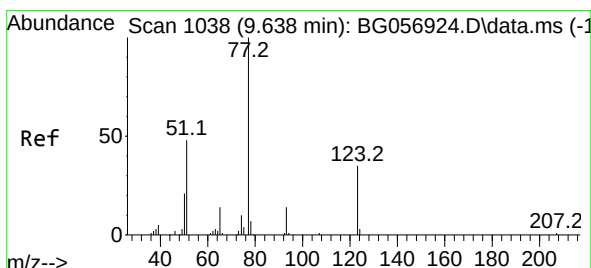
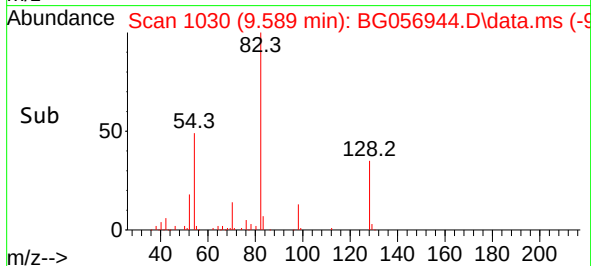
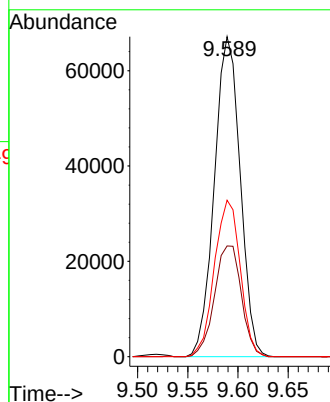
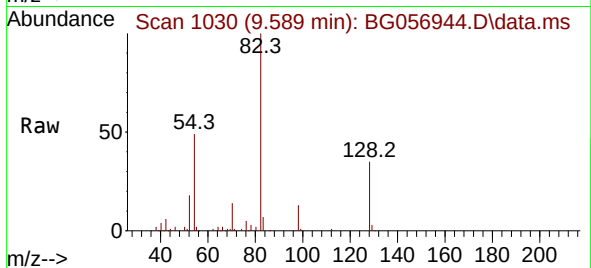
Tgt Ion: 82	Resp: 120028
Ion Ratio	Lower Upper
82 100	
128 34.6	27.9 41.9
54 48.9	39.4 59.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/03/2023

Supervised By :Jagrut Upadhyay 04/03/2023



#24

Nitrobenzene

Concen: 7.533 ng

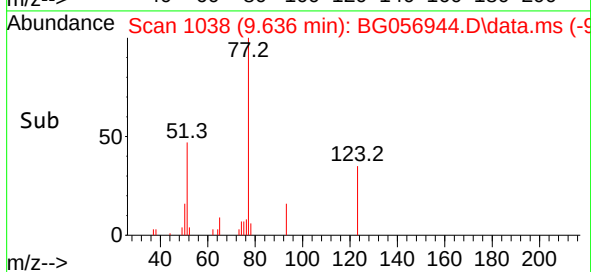
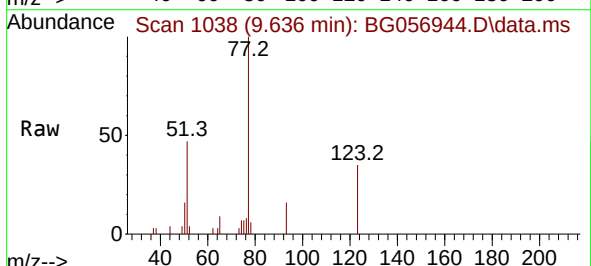
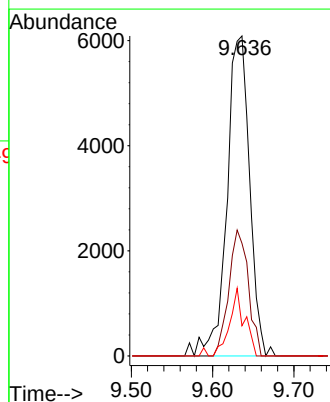
RT: 9.636 min Scan# 1038

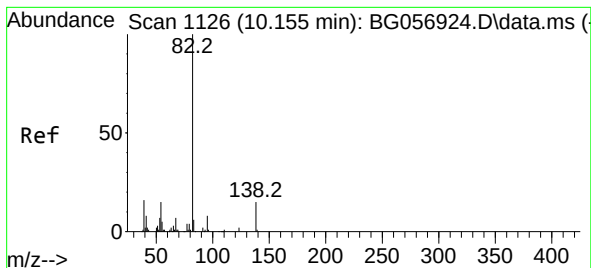
Delta R.T. -0.002 min

Lab File: BG056944.D

Acq: 31 Mar 2023 14:50

Tgt Ion: 77	Resp: 11837
Ion Ratio	Lower Upper
77 100	
123 35.2	27.6 41.4
65 9.4	11.5 17.3





#25

Isophorone

Concen: 7.060 ng

RT: 10.153 min Scan# 1126

Delta R.T. -0.002 min

Lab File: BG056944.D

Acq: 31 Mar 2023 14:50

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

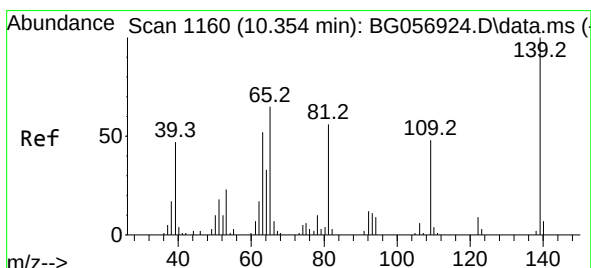
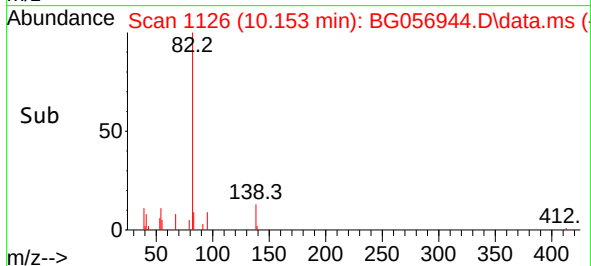
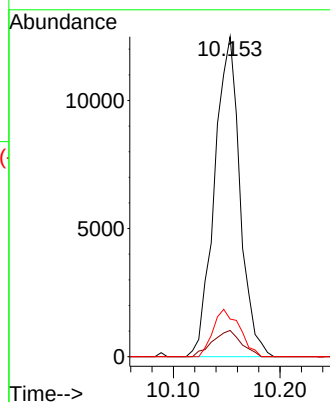
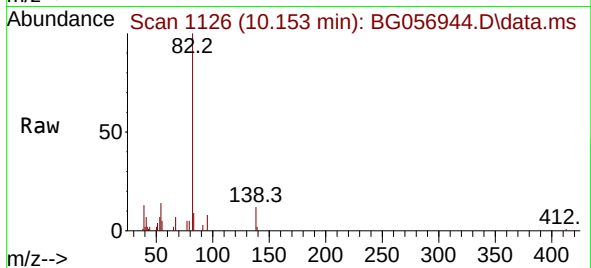
Tgt Ion:	82	Resp:	2066
Ion Ratio	Lower	Upper	
82	100		
95	8.2	6.3	9.5
138	11.8	11.8	17.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/03/2023

Supervised By :Jagrut Upadhyay 04/03/2023



#26

2-Nitrophenol

Concen: 6.771 ng

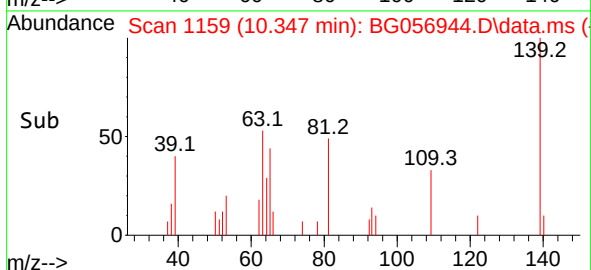
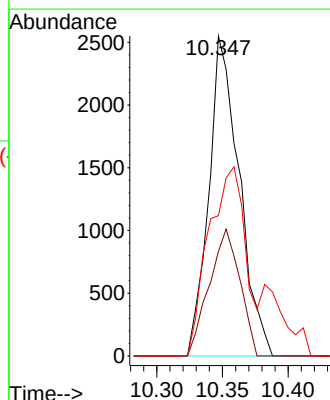
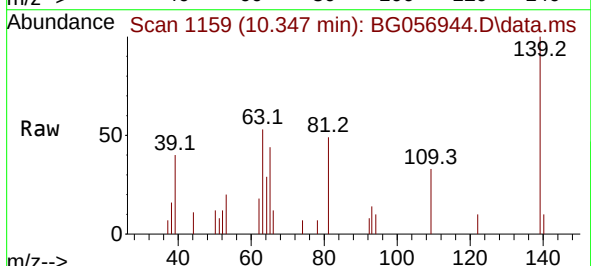
RT: 10.347 min Scan# 1159

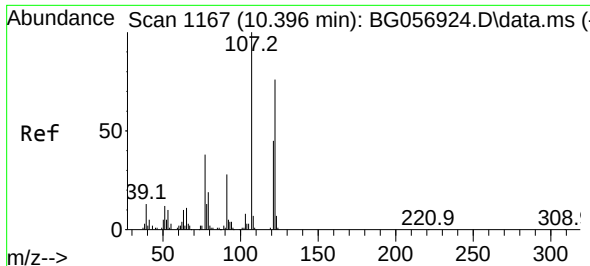
Delta R.T. -0.008 min

Lab File: BG056944.D

Acq: 31 Mar 2023 14:50

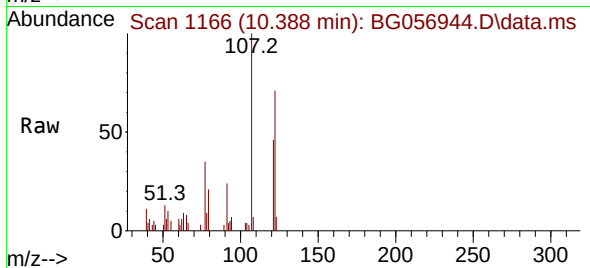
Tgt Ion:	139	Resp:	4107
Ion Ratio	Lower	Upper	
139	100		
109	32.7	38.2	57.4#
65	43.8	51.8	77.8#





#27
2,4-Dimethylphenol
Concen: 7.280 ng
RT: 10.388 min Scan# 1166
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

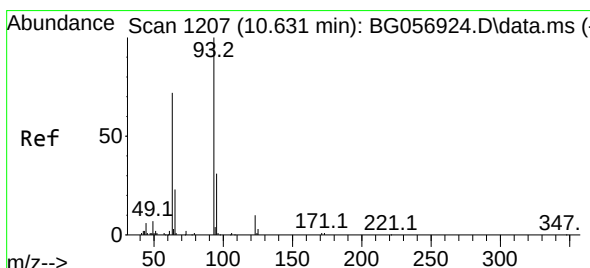
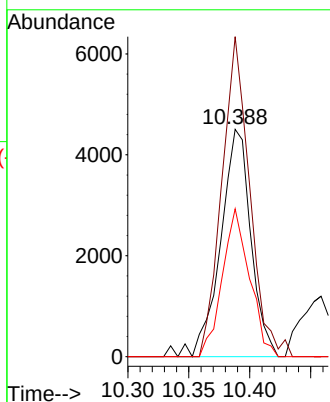
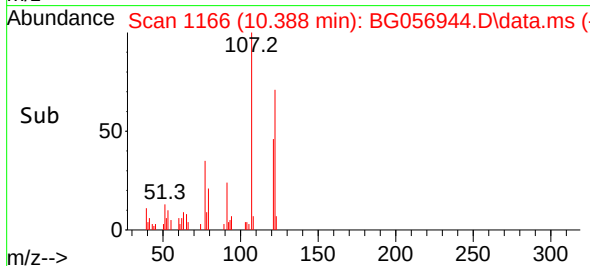
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:122 Resp: 7790
Ion Ratio Lower Upper
122 100
107 140.7 105.7 158.5
121 65.0 48.0 72.0

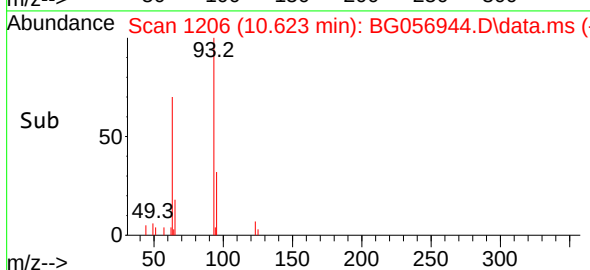
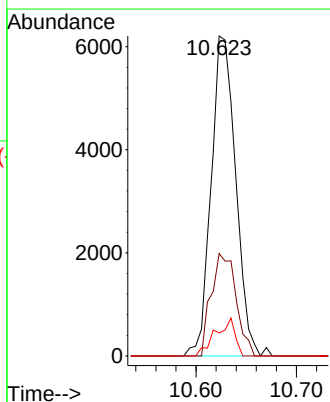
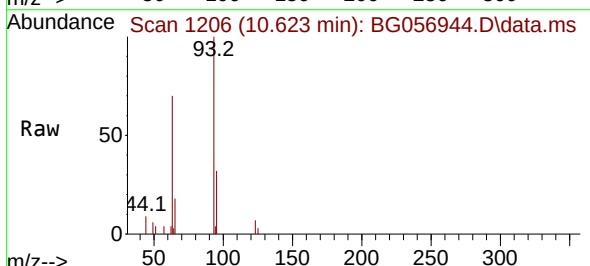
Manual Integrations
APPROVED

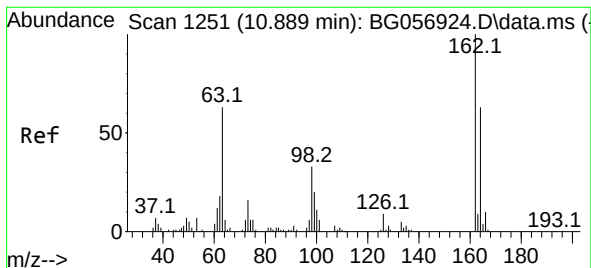
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#28
bis(2-Chloroethoxy)methane
Concen: 7.216 ng
RT: 10.623 min Scan# 1206
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

Tgt Ion: 93 Resp: 10574
Ion Ratio Lower Upper
93 100
95 32.0 24.6 37.0
123 7.2 7.8 11.6#





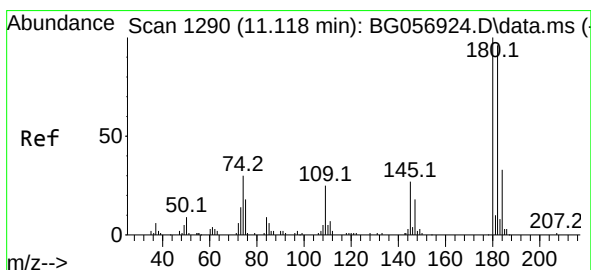
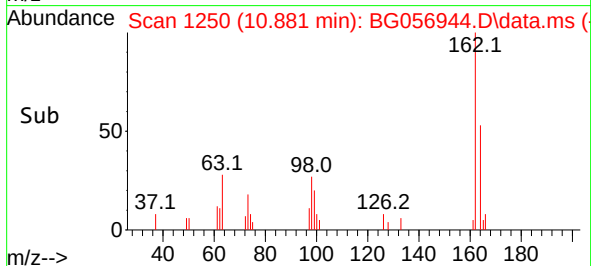
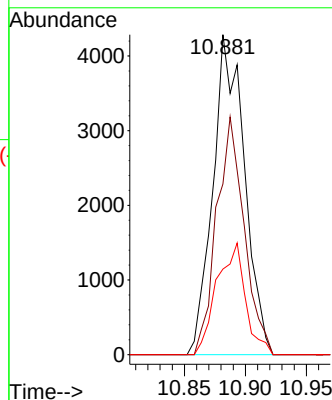
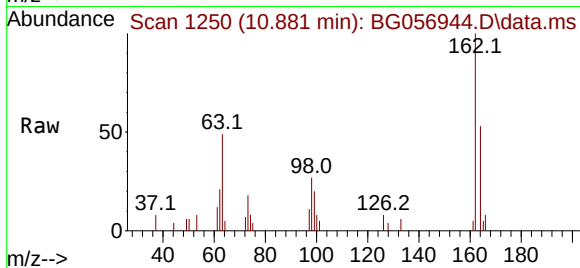
#29
2,4-Dichlorophenol
Concen: 6.680 ng
RT: 10.881 min Scan# 1250
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion	Ratio	Lower	Upper
162	100		
164	53.4	43.4	83.4
98	26.8	12.5	52.5

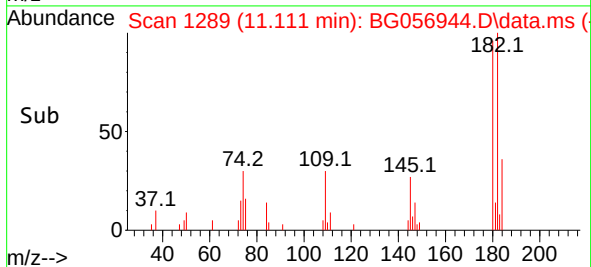
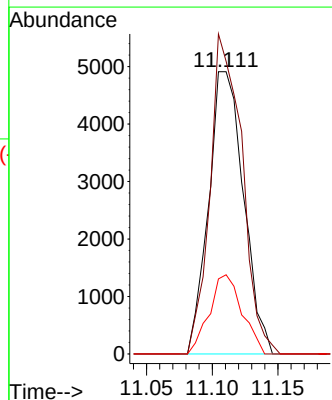
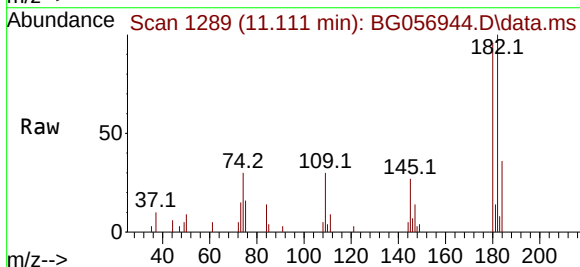
Manual Integrations
APPROVED

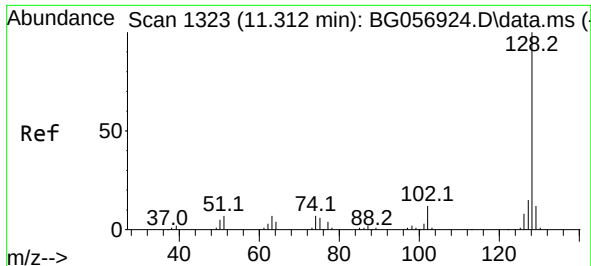
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#30
1,2,4-Trichlorobenzene
Concen: 7.435 ng
RT: 11.111 min Scan# 1289
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

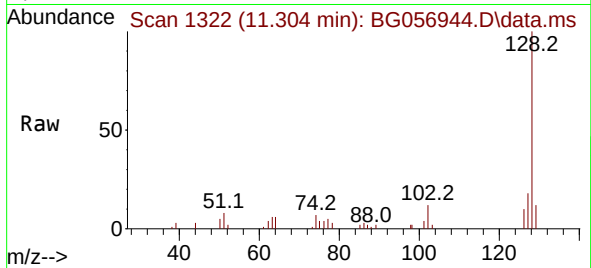
Tgt Ion	Ratio	Lower	Upper
180	100		
182	103.7	77.1	115.7
145	28.0	21.3	31.9





#31
Naphthalene
Concen: 7.129 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

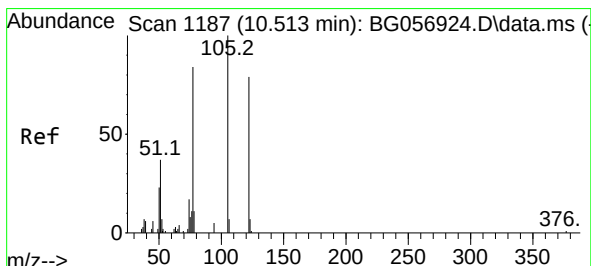
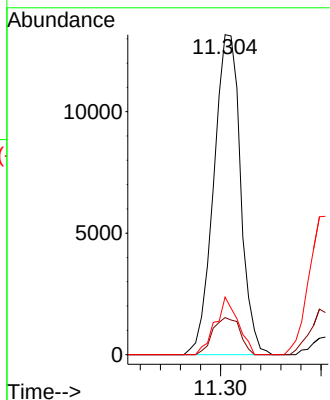
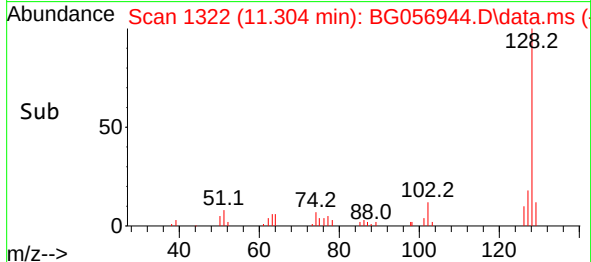
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:128 Resp: 24430
Ion Ratio Lower Upper
128 100
129 11.6 9.4 14.2
127 18.0 12.2 18.4

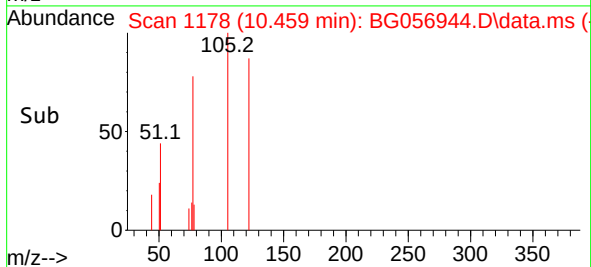
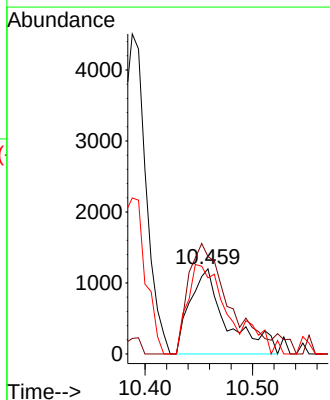
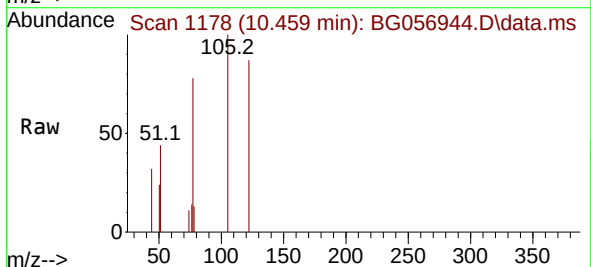
Manual Integrations
APPROVED

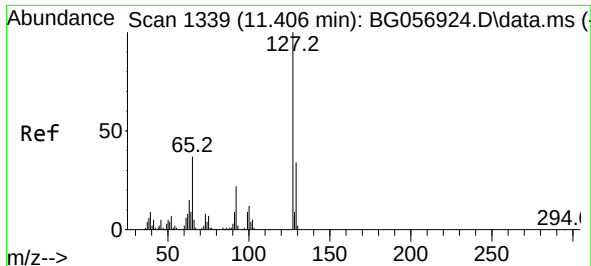
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#32
Benzoic acid
Concen: 3.888 ng m
RT: 10.459 min Scan# 1178
Delta R.T. -0.055 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

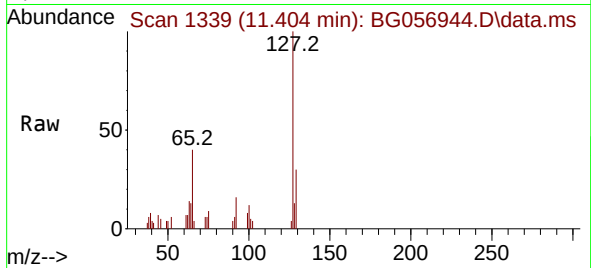
Tgt Ion:122 Resp: 2860
Ion Ratio Lower Upper
122 100
105 114.5 105.4 145.4
77 89.6 87.4 127.4





#33
4-Chloroaniline
Concen: 7.035 ng
RT: 11.404 min Scan# 1339
Delta R.T. -0.002 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

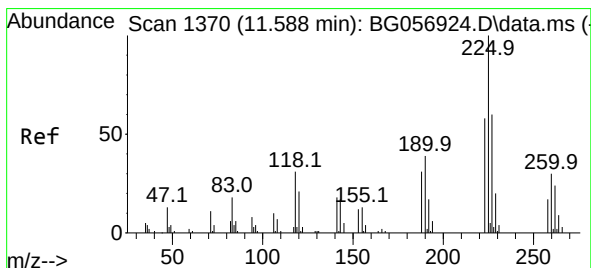
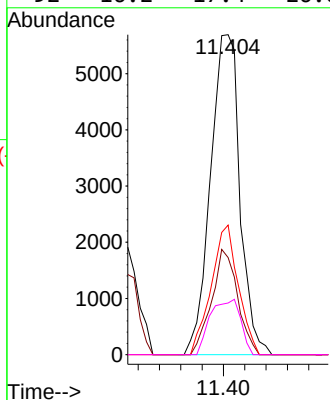
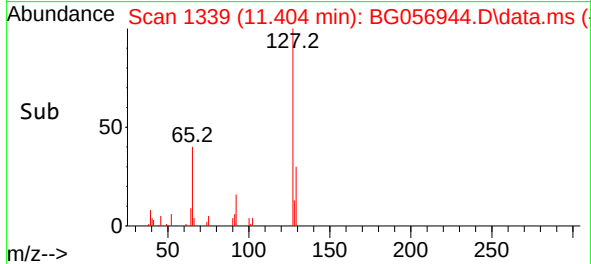
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion	Ratio	Lower	Upper
127	100		
129	30.4	27.6	41.4
65	40.5	29.8	44.8
92	16.2	17.4	26.0

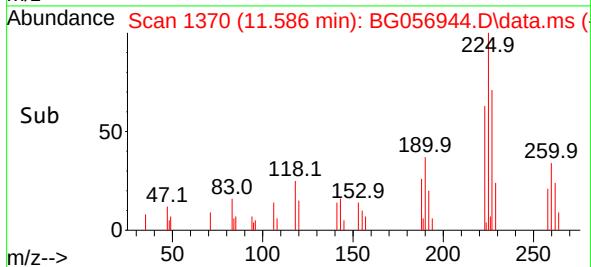
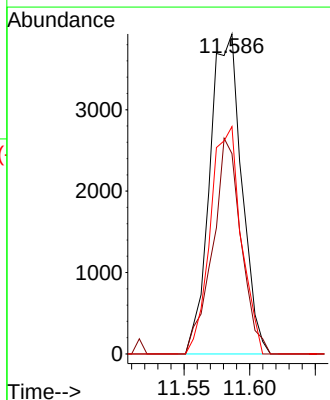
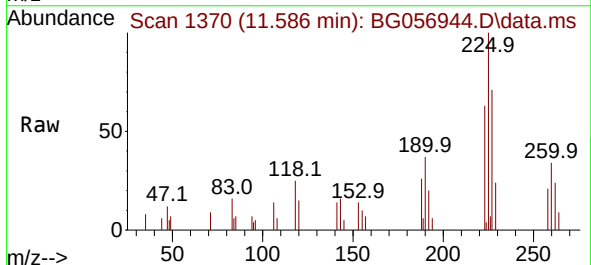
Manual Integrations
APPROVED

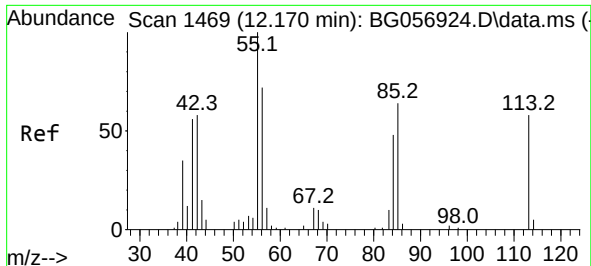
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#34
Hexachlorobutadiene
Concen: 7.204 ng
RT: 11.586 min Scan# 1370
Delta R.T. -0.002 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

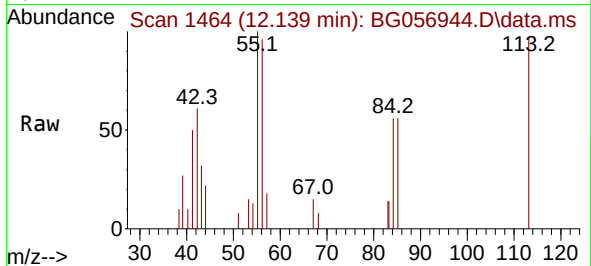
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	46.4	69.6
227	71.1	48.0	72.0





#35
Caprolactam
Concen: 7.762 ng
RT: 12.139 min Scan# 1464
Delta R.T. -0.031 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

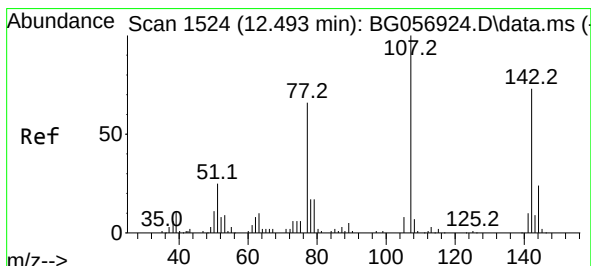
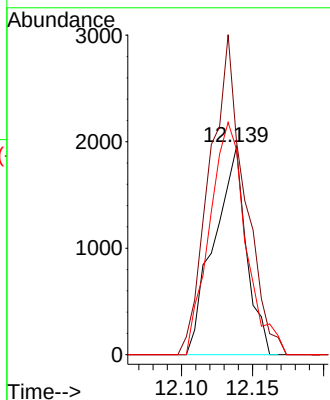
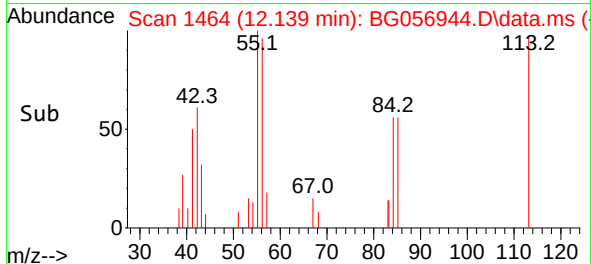
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:113 Resp: 308
Ion Ratio Lower Upper
113 100
55 103.1 151.6 191.6
56 99.1 103.7 143.7

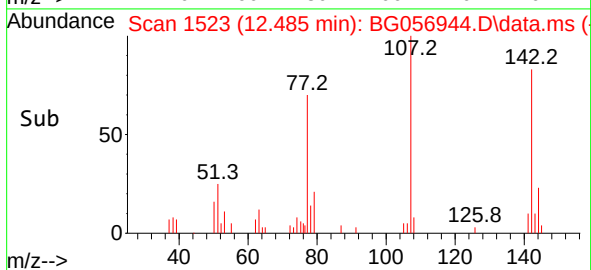
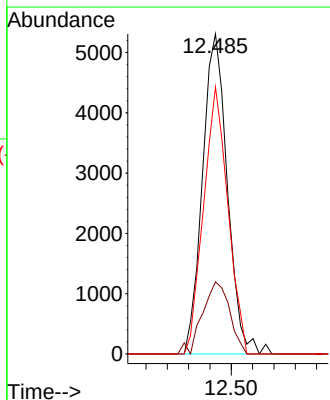
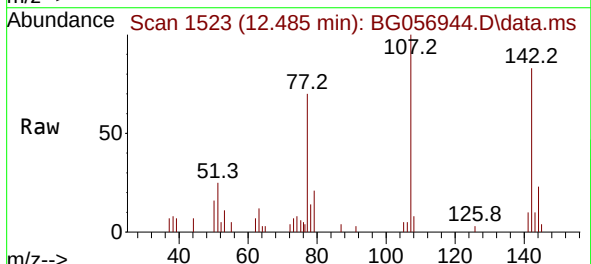
Manual Integrations
APPROVED

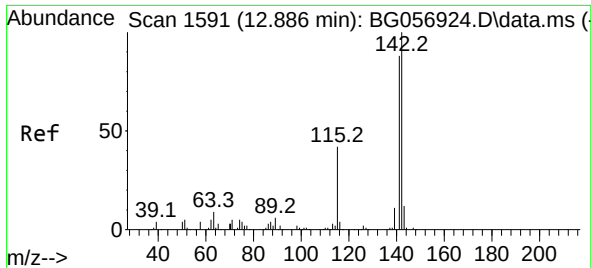
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#36
4-Chloro-3-methylphenol
Concen: 6.690 ng
RT: 12.485 min Scan# 1523
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

Tgt Ion:107 Resp: 8616
Ion Ratio Lower Upper
107 100
144 22.5 19.0 28.4
142 83.4 58.6 88.0





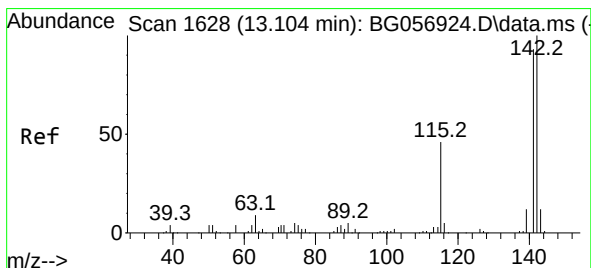
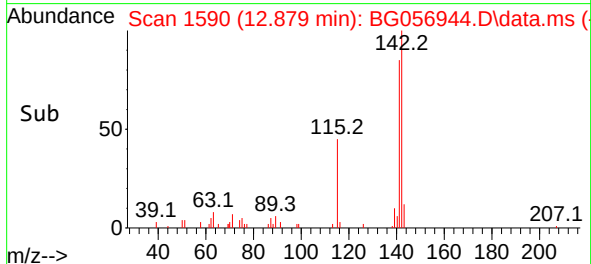
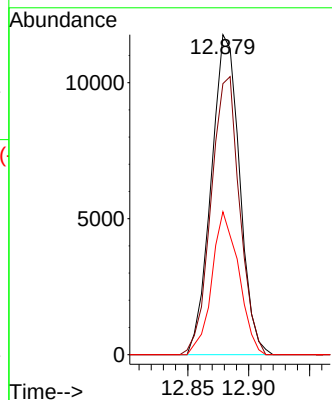
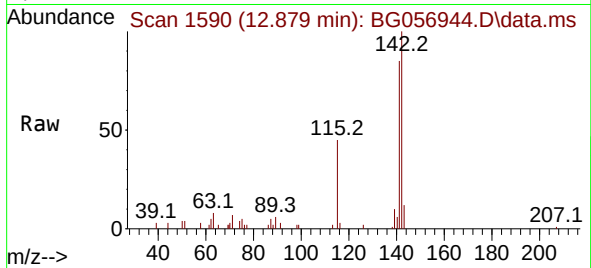
#37
2-Methylnaphthalene
Concen: 7.005 ng
RT: 12.879 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:142 Resp: 1905
Ion Ratio Lower Upper
142 100
141 84.7 70.3 105.5
115 44.6 33.5 50.3

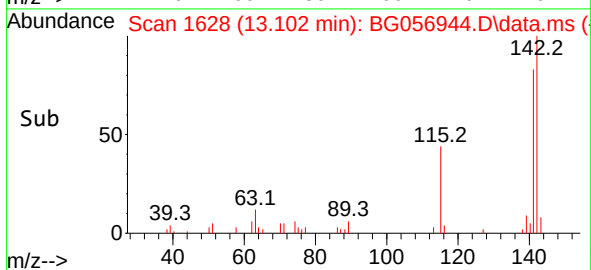
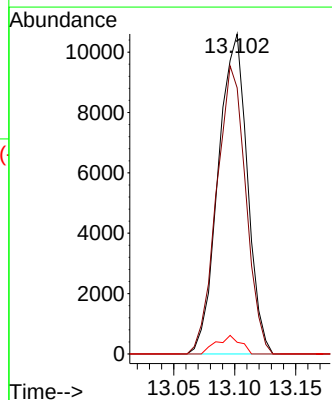
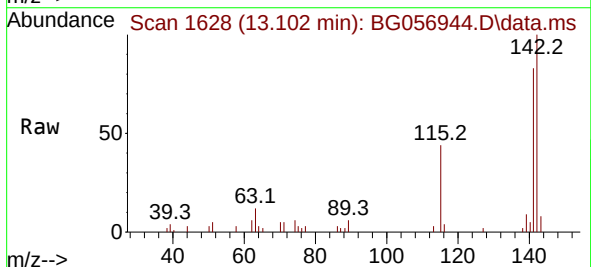
Manual Integrations
APPROVED

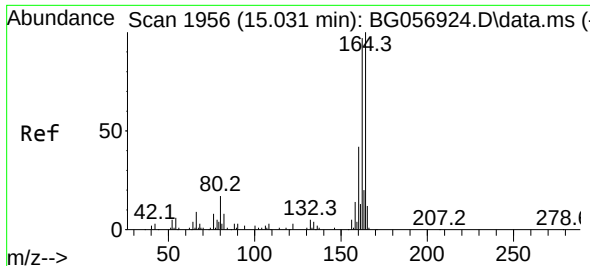
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#38
1-Methylnaphthalene
Concen: 6.872 ng
RT: 13.102 min Scan# 1628
Delta R.T. -0.002 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

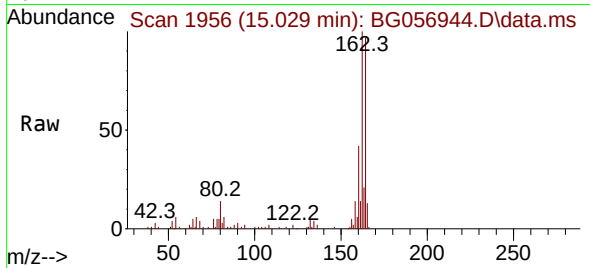
Tgt Ion:142 Resp: 17556
Ion Ratio Lower Upper
142 100
141 83.2 74.0 111.0
116 3.7 3.7 5.5#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.029 min Scan# 1956
Delta R.T. -0.002 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

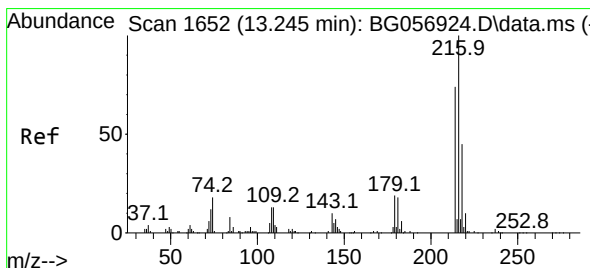
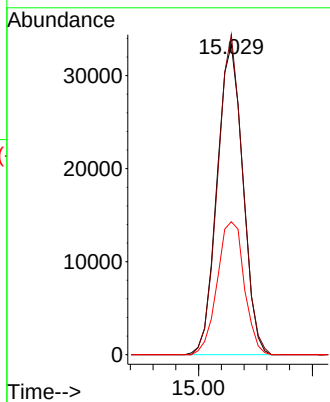
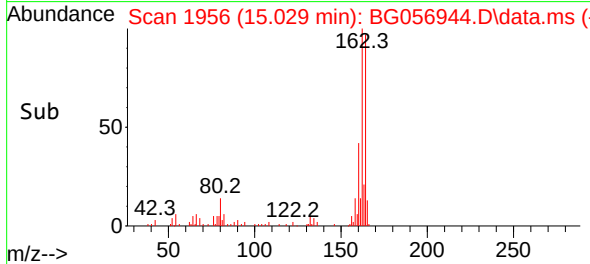
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:164 Resp: 5256
Ion Ratio Lower Upper
164 100
162 103.2 77.8 116.8
160 42.9 33.5 50.3

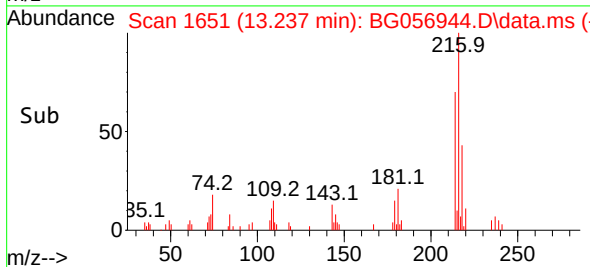
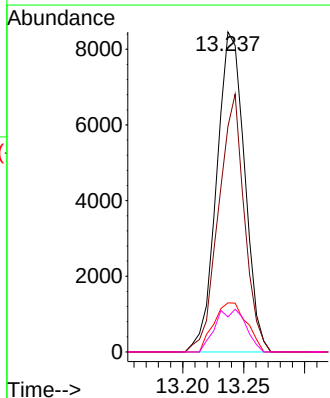
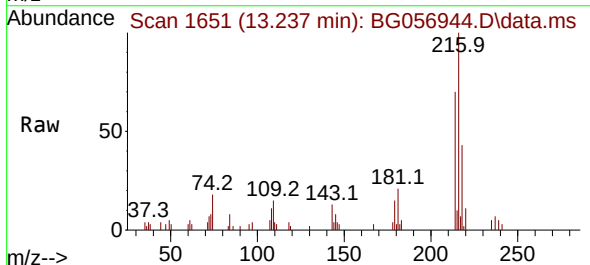
Manual Integrations
APPROVED

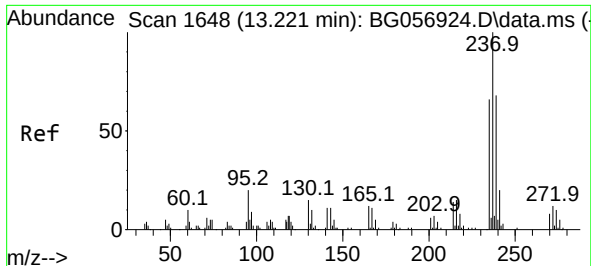
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.403 ng
RT: 13.237 min Scan# 1651
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

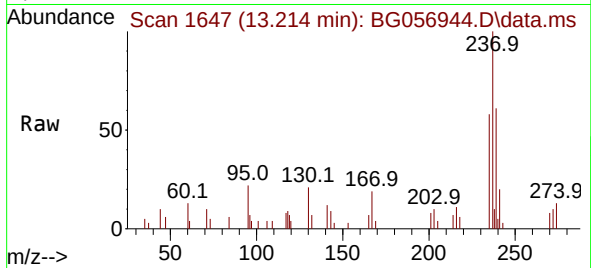
Tgt Ion:216 Resp: 13493
Ion Ratio Lower Upper
216 100
214 74.5 63.3 94.9
179 17.9 15.0 22.6
108 14.6 12.6 19.0





#41
Hexachlorocyclopentadiene
Concen: 6.980 ng
RT: 13.214 min Scan# 1647
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

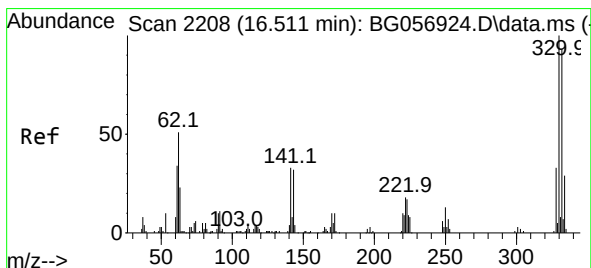
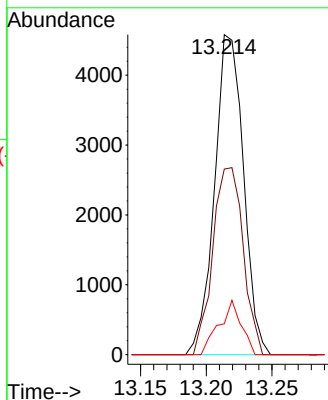
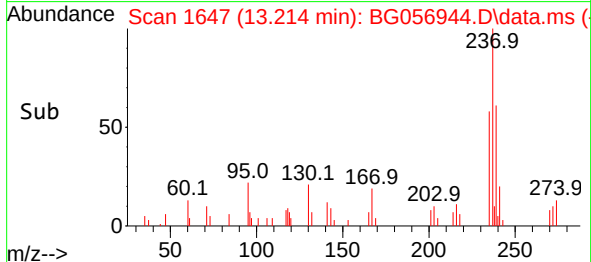
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



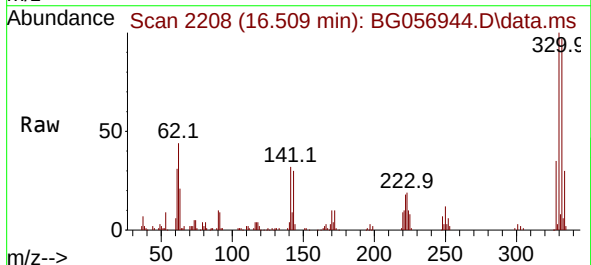
Tgt Ion: 237 Resp: 7010
Ion Ratio Lower Upper
237 100
235 58.0 45.9 85.9
272 9.7 0.0 32.3

Manual Integrations
APPROVED

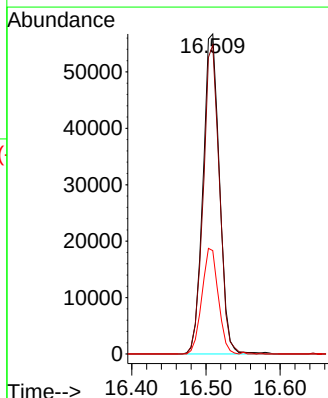
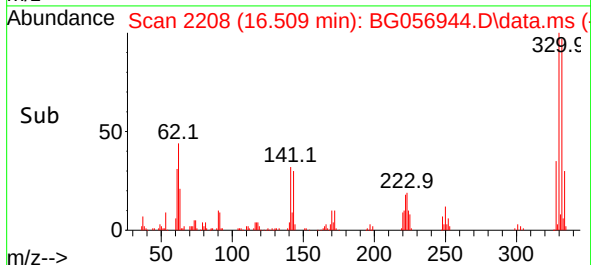
Reviewed By : Christian Giraldo 04/03/2023
Supervised By : Jagrut Upadhyay 04/03/2023

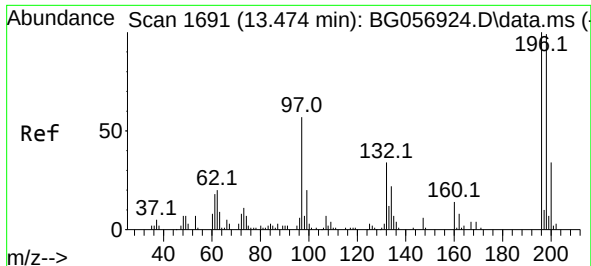


#42
2,4,6-Tribromophenol
Concen: 104.024 ng
RT: 16.509 min Scan# 2208
Delta R.T. -0.002 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50



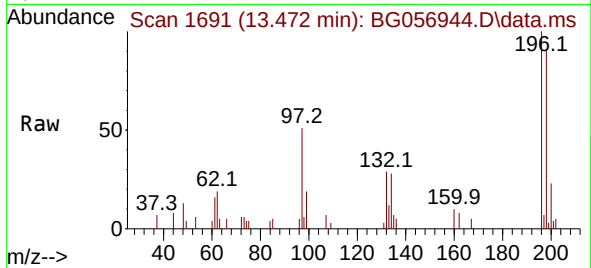
Tgt Ion: 330 Resp: 87347
Ion Ratio Lower Upper
330 100
332 94.9 76.1 114.1
141 32.8 25.8 38.6





#43
2,4,6-Trichlorophenol
Concen: 6.484 ng m
RT: 13.472 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

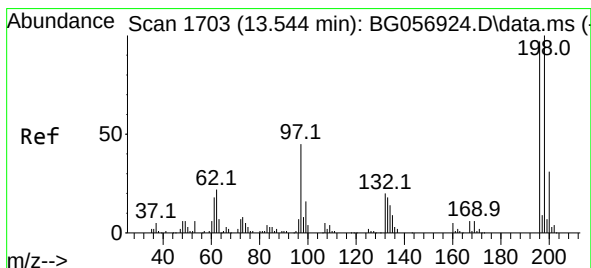
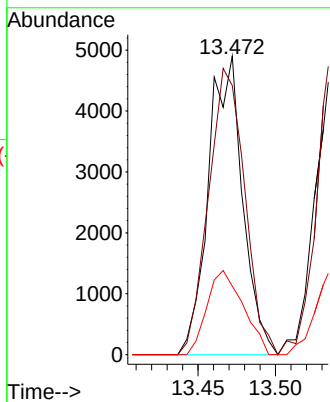
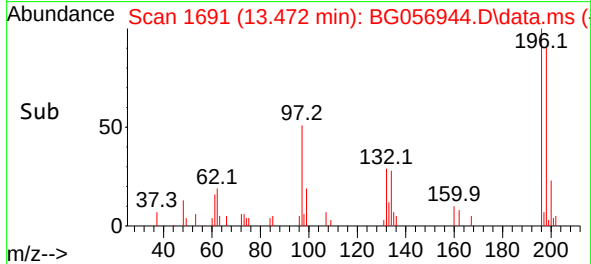
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



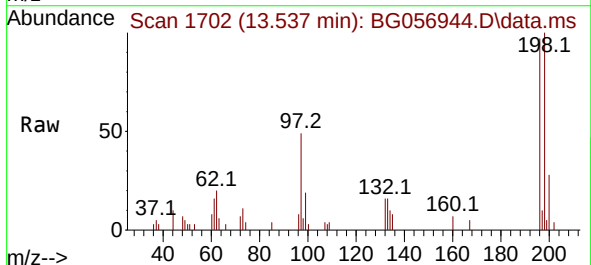
Tgt Ion:196 Resp: 754
Ion Ratio Lower Upper
196 100
198 90.1 79.1 118.7
200 22.9 27.2 40.8

Manual Integrations
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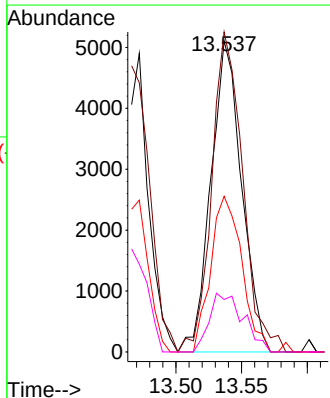
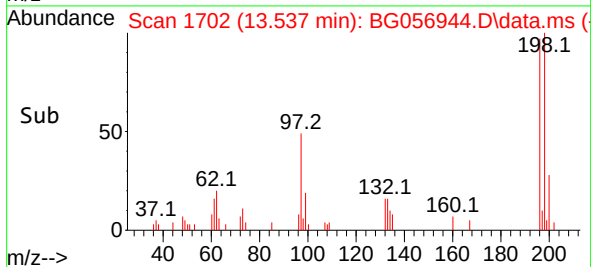
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

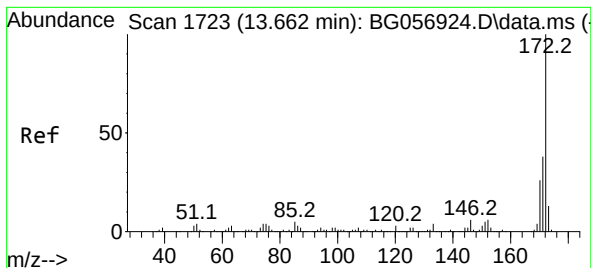


#44
2,4,5-Trichlorophenol
Concen: 6.030 ng
RT: 13.537 min Scan# 1702
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50



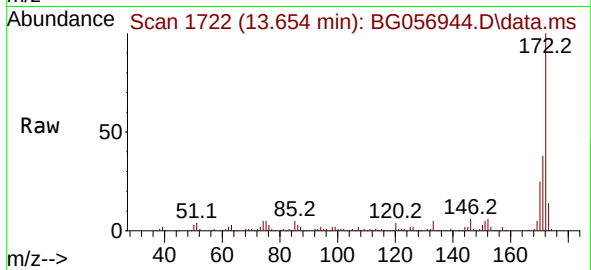
Tgt Ion:196 Resp: 8309
Ion Ratio Lower Upper
196 100
198 102.9 82.5 123.7
97 50.1 37.0 55.6
132 16.9 17.1 25.7#





#45
2-Fluorobiphenyl
Concen: 75.439 ng
RT: 13.654 min Scan# 1722
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

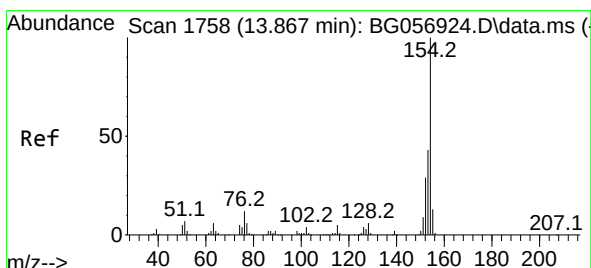
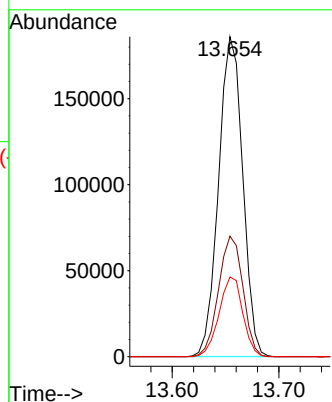
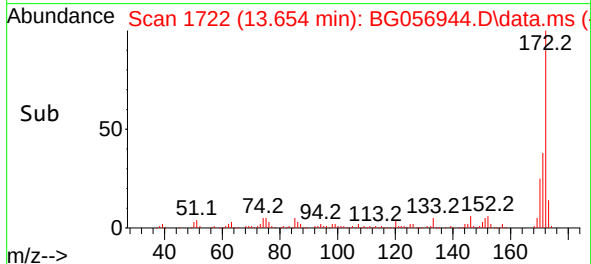
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



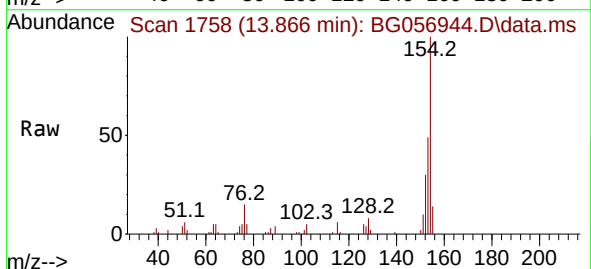
Tgt Ion:172 Resp: 292414
Ion Ratio Lower Upper
172 100
171 37.7 30.6 46.0
170 24.9 20.6 30.8

Manual Integrations
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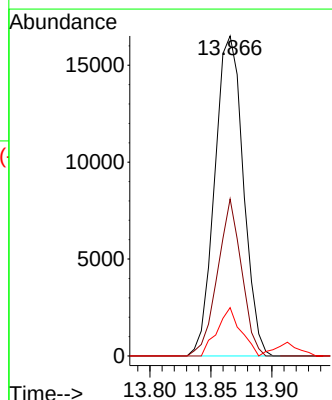
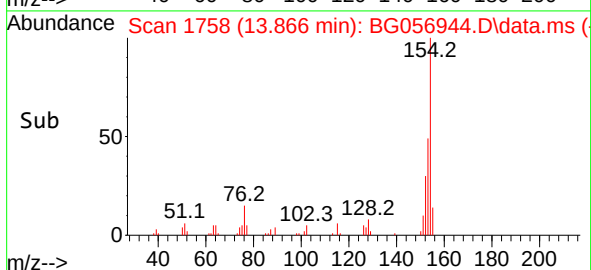
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

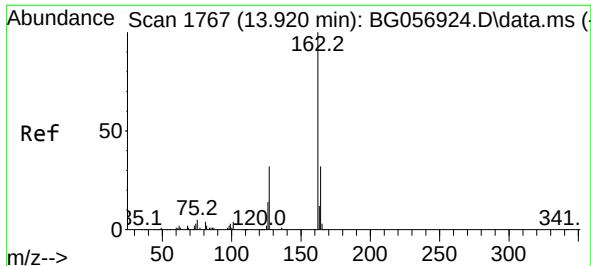


#46
1,1'-Biphenyl
Concen: 6.980 ng
RT: 13.866 min Scan# 1758
Delta R.T. -0.002 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50



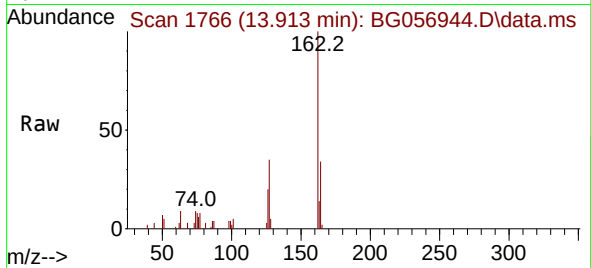
Tgt Ion:154 Resp: 26857
Ion Ratio Lower Upper
154 100
153 49.0 23.4 63.4
76 15.1 0.0 31.6





#47
2-Chloronaphthalene
Concen: 6.978 ng
RT: 13.913 min Scan# 1766
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

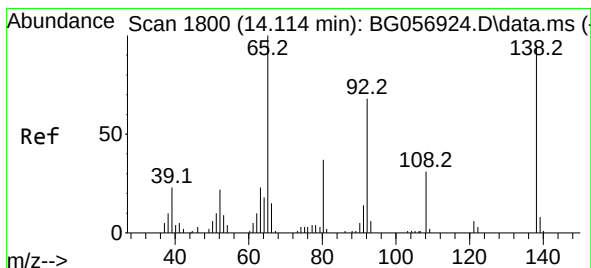
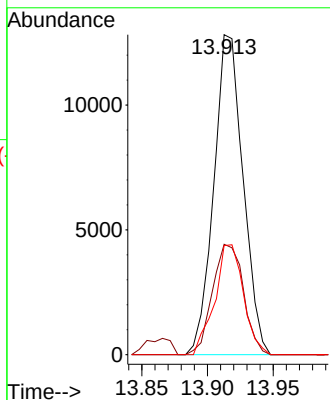
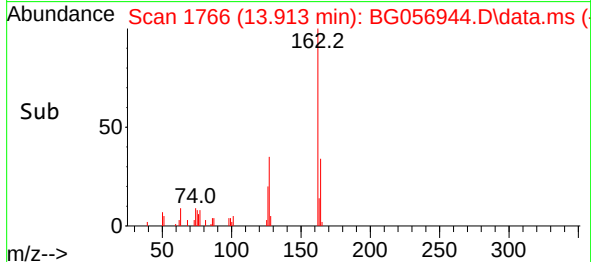
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:162 Resp: 1985
Ion Ratio Lower Upper
162 100
127 34.5 29.5 44.3
164 34.1 25.5 38.3

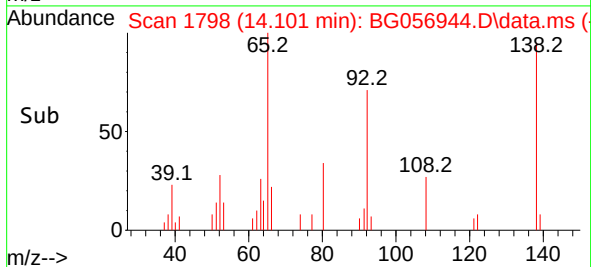
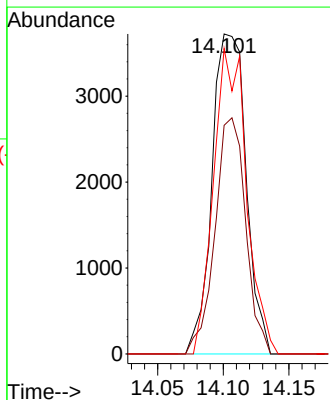
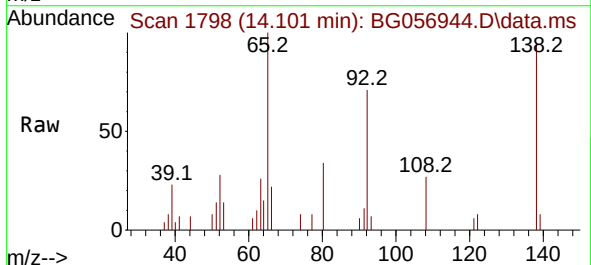
Manual Integrations
APPROVED

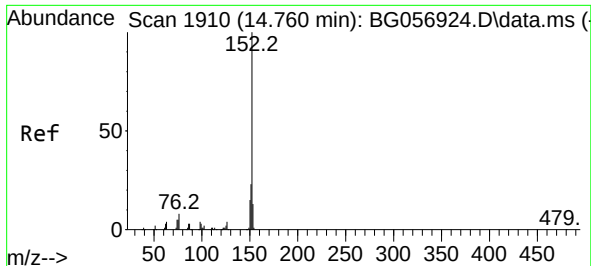
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#48
2-Nitroaniline
Concen: 6.598 ng
RT: 14.101 min Scan# 1798
Delta R.T. -0.013 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

Tgt Ion: 65 Resp: 6714
Ion Ratio Lower Upper
65 100
92 71.4 54.3 81.5
138 95.4 76.0 114.0





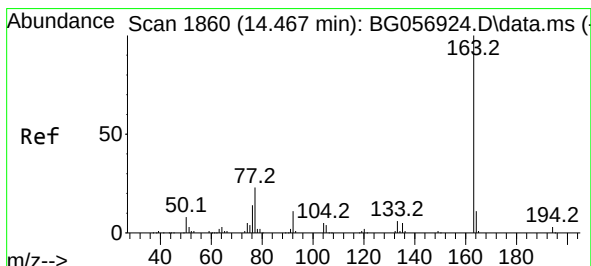
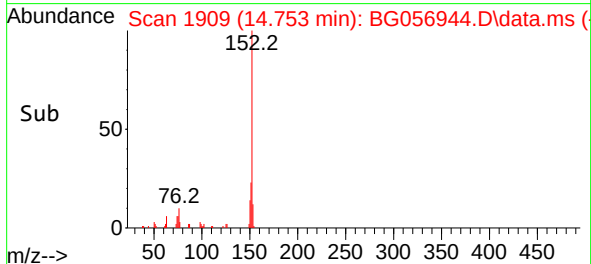
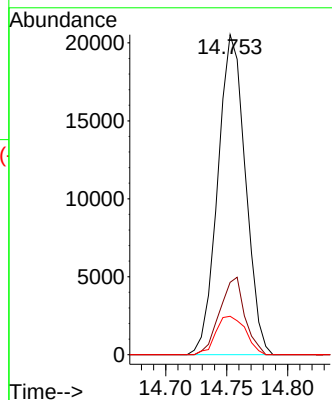
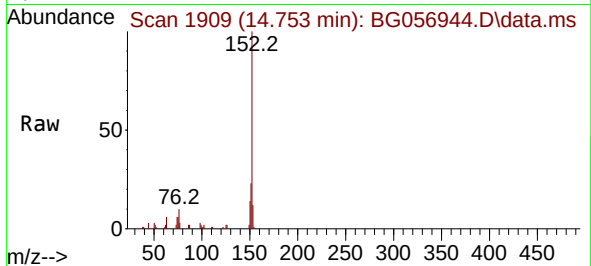
#49
Acenaphthylene
Concen: 6.926 ng
RT: 14.753 min Scan# 1909
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:152 Resp: 3238
Ion Ratio Lower Upper
152 100
151 22.6 18.2 27.2
153 12.0 10.5 15.7

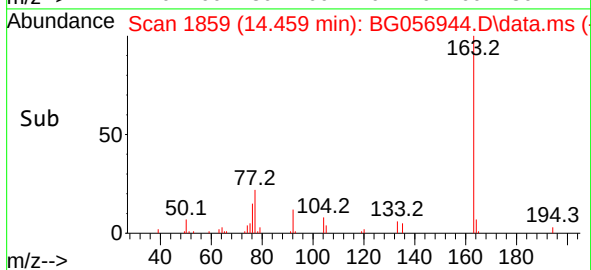
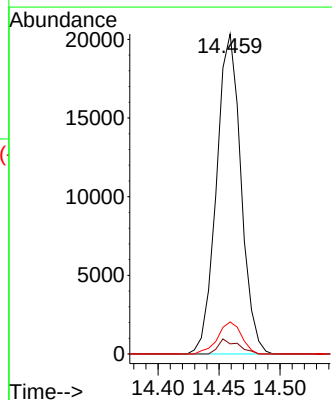
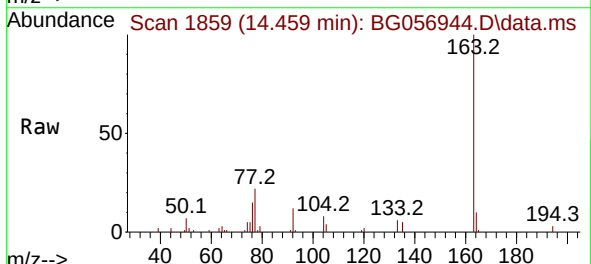
Manual Integrations
APPROVED

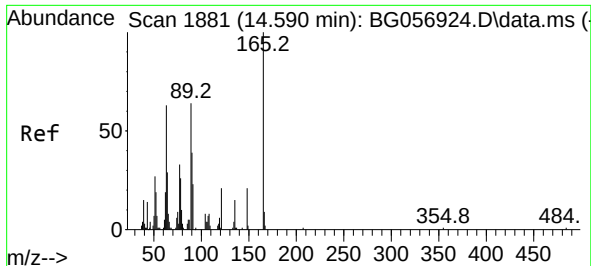
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#50
Dimethylphthalate
Concen: 6.867 ng
RT: 14.459 min Scan# 1859
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

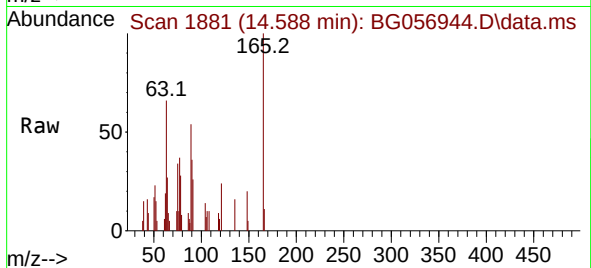
Tgt Ion:163 Resp: 28439
Ion Ratio Lower Upper
163 100
194 3.2 2.8 4.2
164 10.0 8.8 13.2





#51
2,6-Dinitrotoluene
Concen: 6.509 ng
RT: 14.588 min Scan# 1881
Delta R.T. -0.002 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

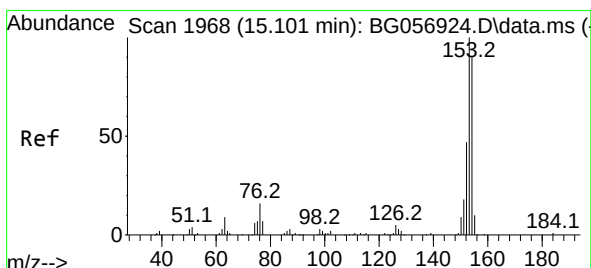
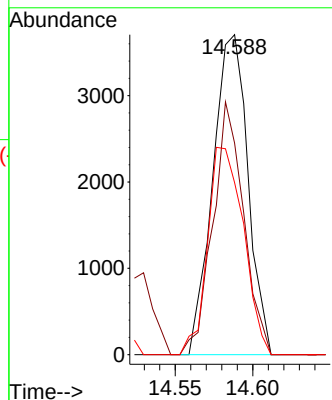
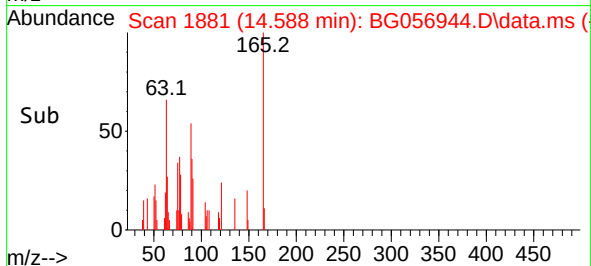
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:165 Resp: 5824
Ion Ratio Lower Upper
165 100
63 66.1 53.0 79.6
89 53.8 51.0 76.4

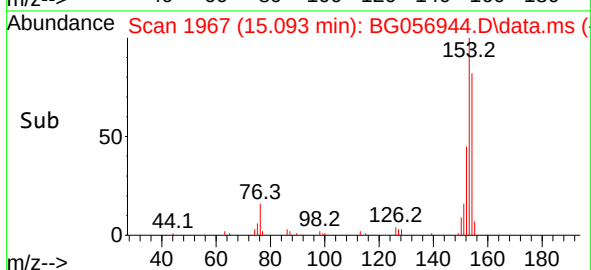
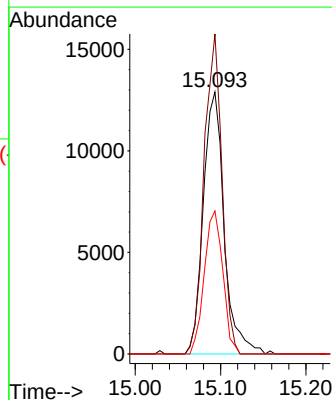
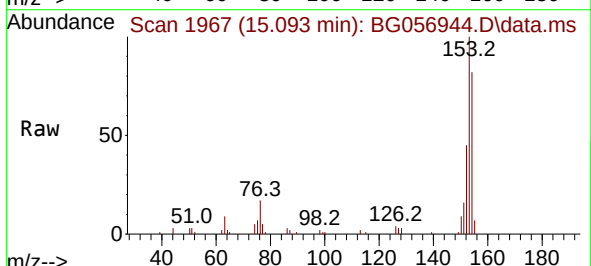
Manual Integrations
APPROVED

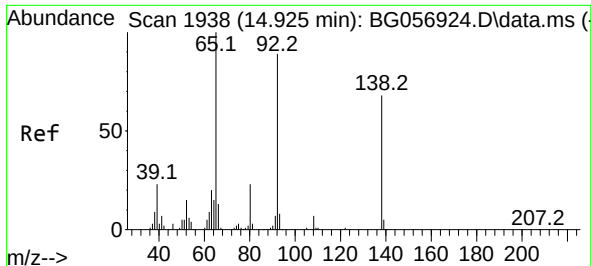
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#52
Acenaphthene
Concen: 6.805 ng
RT: 15.093 min Scan# 1967
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

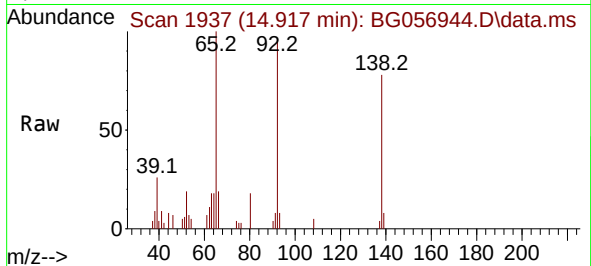
Tgt Ion:154 Resp: 21942
Ion Ratio Lower Upper
154 100
153 122.2 88.9 133.3
152 54.6 41.8 62.8





#53
3-Nitroaniline
Concen: 7.059 ng
RT: 14.917 min Scan# 1937
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

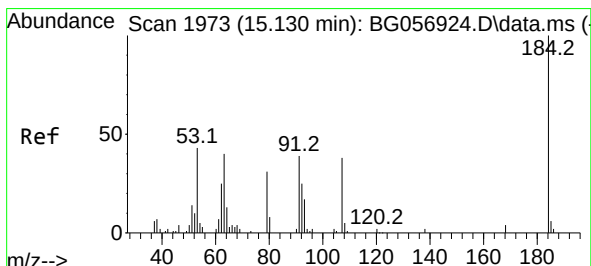
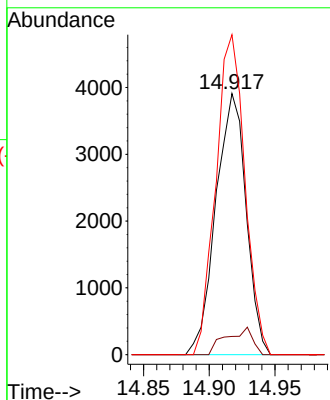
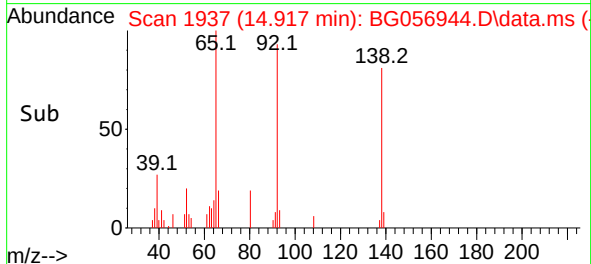
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:138 Resp: 625
Ion Ratio Lower Upper
138 100
108 7.0 8.2 12.2
92 122.5 105.2 157.8

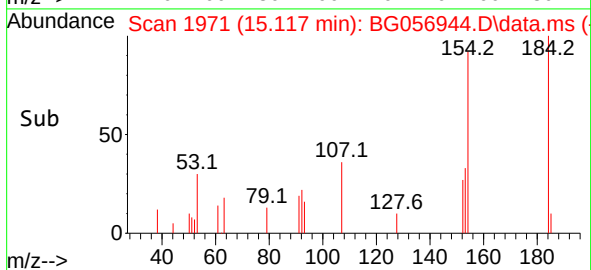
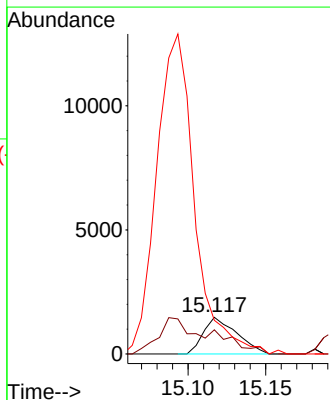
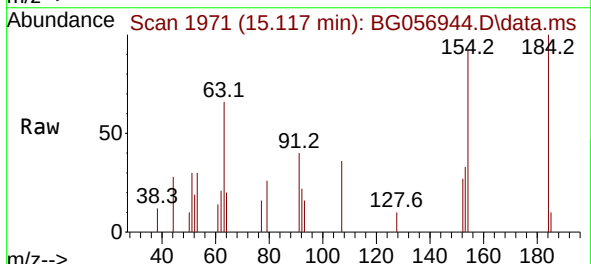
Manual Integrations
APPROVED

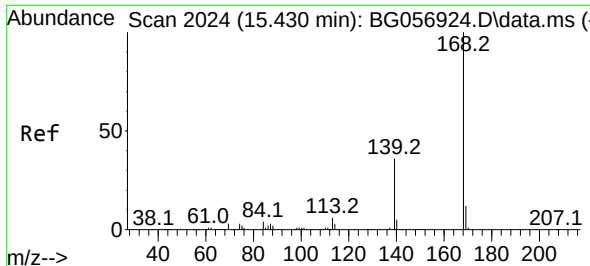
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#54
2,4-Dinitrophenol
Concen: 4.366 ng
RT: 15.117 min Scan# 1971
Delta R.T. -0.013 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

Tgt Ion:184 Resp: 2199
Ion Ratio Lower Upper
184 100
63 65.7 46.5 69.7
154 91.8 53.5 80.3





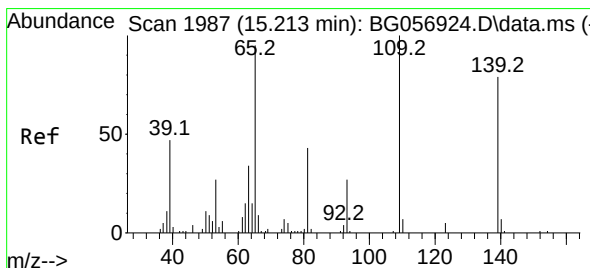
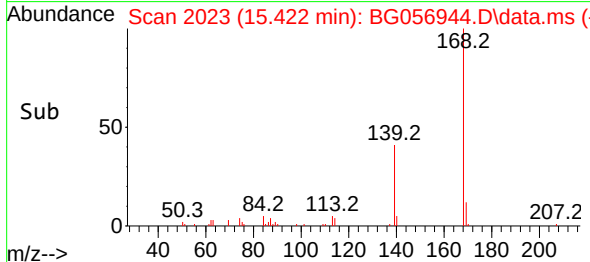
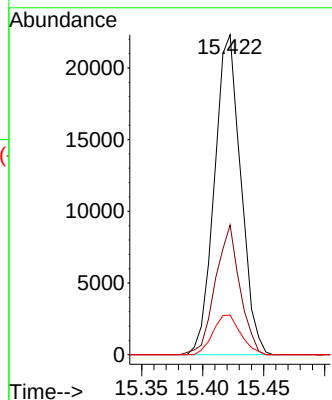
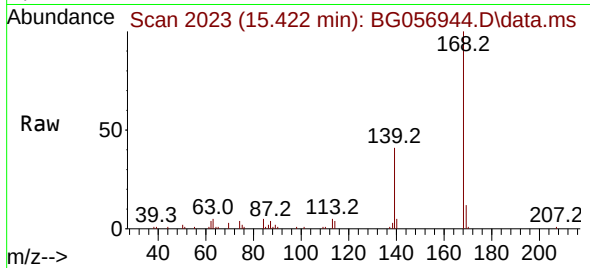
#55
Dibenzofuran
Concen: 6.928 ng
RT: 15.422 min Scan# 2024
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:168 Resp: 33528
Ion Ratio Lower Upper
168 100
139 40.6 28.9 43.3
169 12.4 9.8 14.6

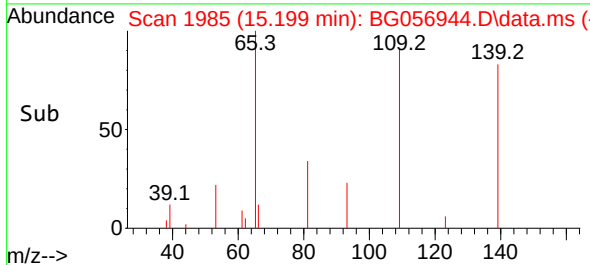
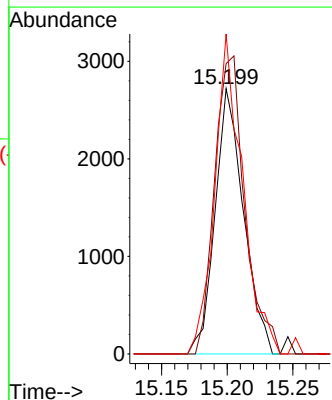
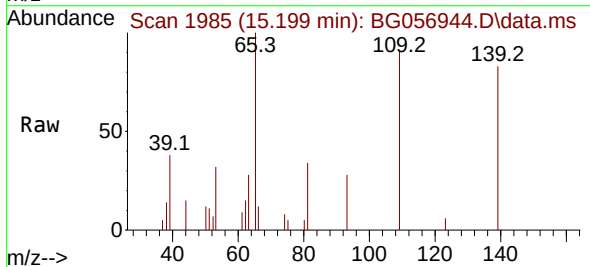
Manual Integrations
APPROVED

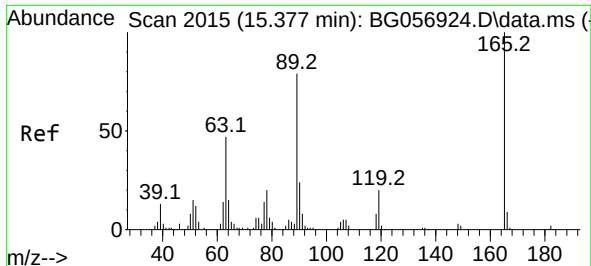
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#56
4-Nitrophenol
Concen: 6.263 ng
RT: 15.199 min Scan# 1985
Delta R.T. -0.013 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

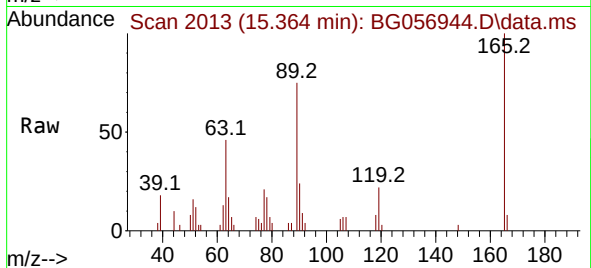
Tgt Ion:139 Resp: 4102
Ion Ratio Lower Upper
139 100
109 109.5 106.7 146.7
65 120.6 100.5 140.5





#57
2,4-Dinitrotoluene
Concen: 6.551 ng
RT: 15.364 min Scan# 2015
Delta R.T. -0.013 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

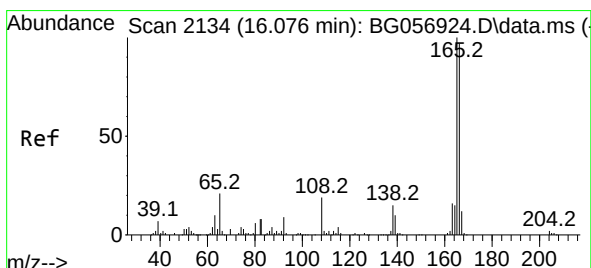
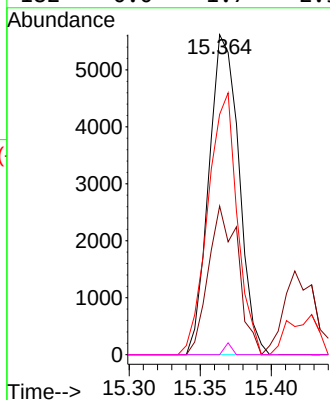
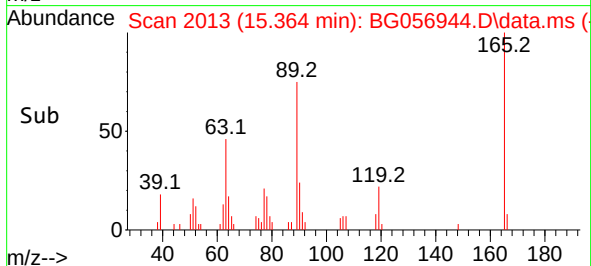
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:165 Resp: 826
Ion Ratio Lower Upper
165 100
63 46.5 37.7 56.5
89 75.1 63.2 94.8
182 0.0 1.7 2.5#

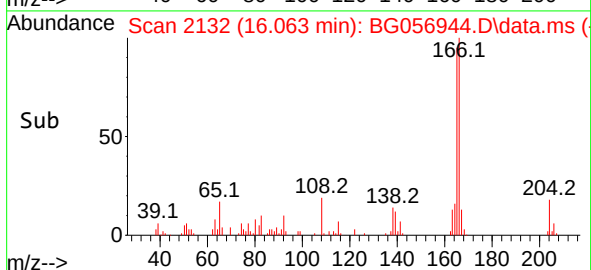
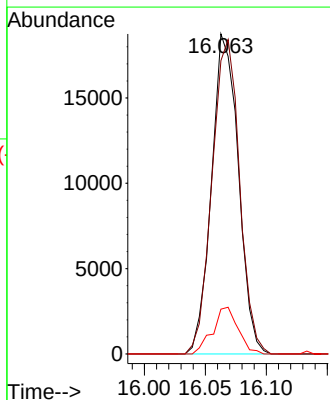
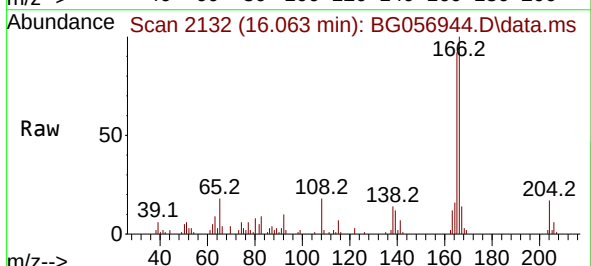
Manual Integrations
APPROVED

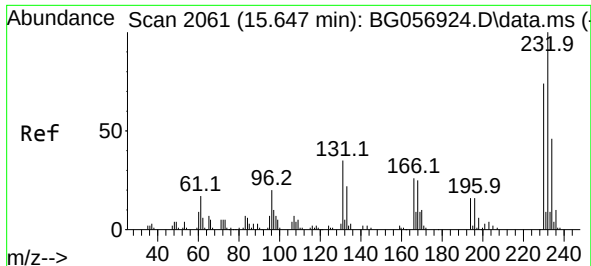
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#58
Fluorene
Concen: 7.164 ng
RT: 16.063 min Scan# 2132
Delta R.T. -0.013 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

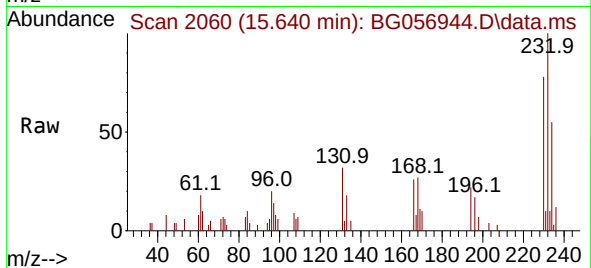
Tgt Ion:166 Resp: 28689
Ion Ratio Lower Upper
166 100
165 91.6 82.6 123.8
167 14.0 10.2 15.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 6.079 ng
RT: 15.640 min Scan# 2061
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

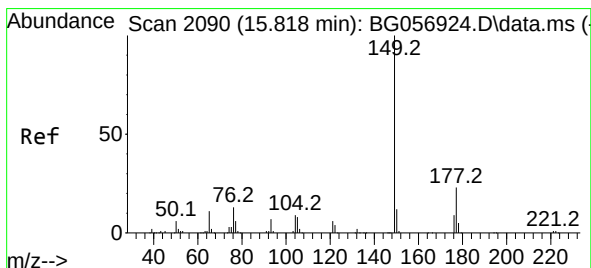
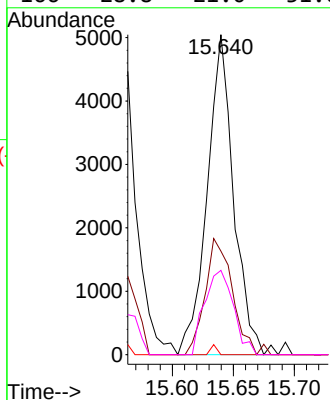
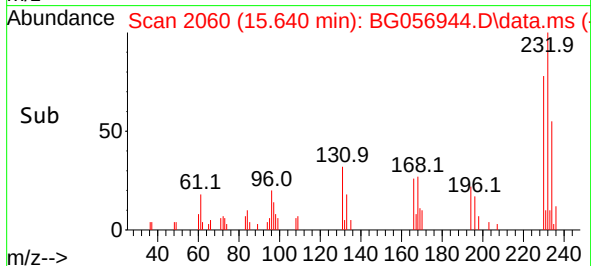
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:232 Resp: 762
Ion Ratio Lower Upper
232 100
131 37.8 29.3 43.9
130 0.7 1.7 2.5
166 28.8 21.0 31.6

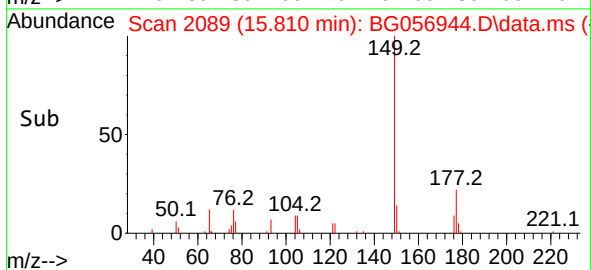
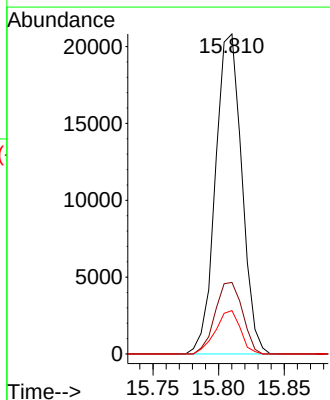
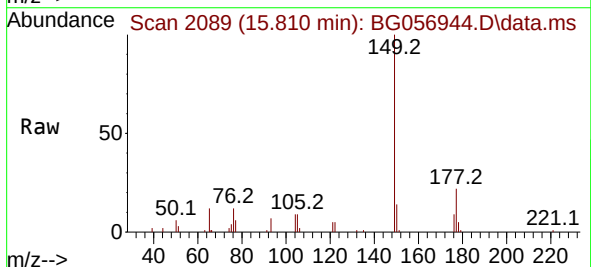
Manual Integrations
APPROVED

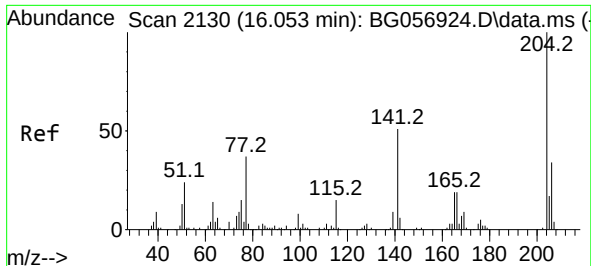
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#60
Diethylphthalate
Concen: 6.979 ng
RT: 15.810 min Scan# 2089
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

Tgt Ion:149 Resp: 28974
Ion Ratio Lower Upper
149 100
177 22.4 18.8 28.2
150 13.5 9.4 14.2





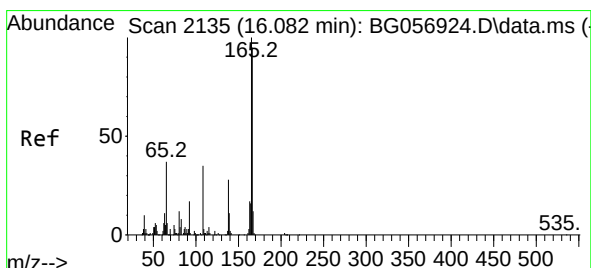
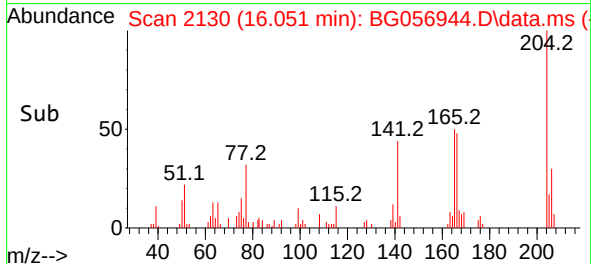
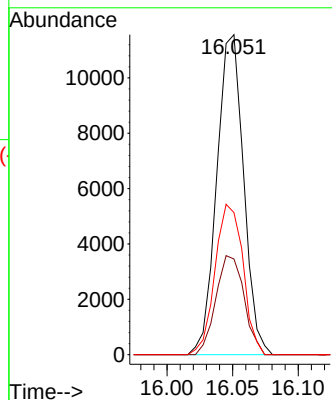
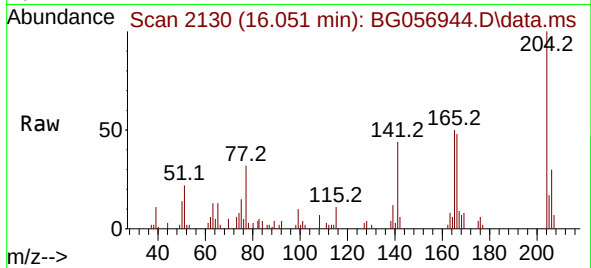
#61
4-Chlorophenyl-phenylether
Concen: 6.990 ng
RT: 16.051 min Scan# 2130
Delta R.T. -0.002 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:204 Resp: 1643
Ion Ratio Lower Upper
204 100
206 29.9 27.2 40.8
141 44.4 40.7 61.1

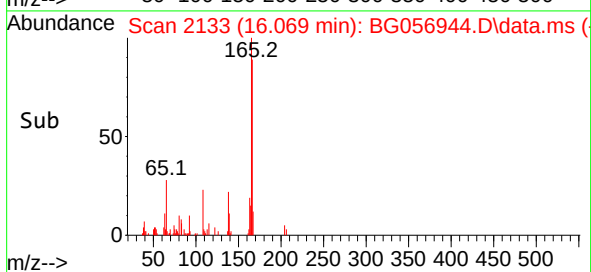
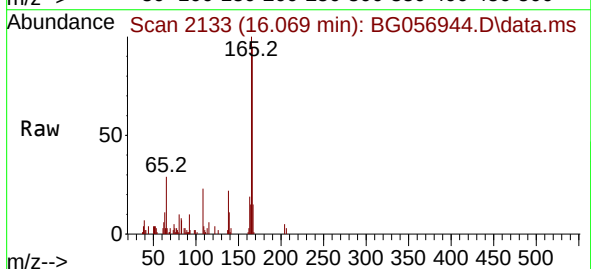
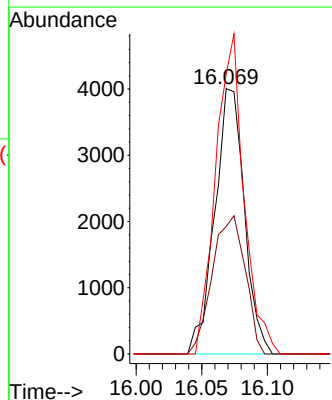
Manual Integrations
APPROVED

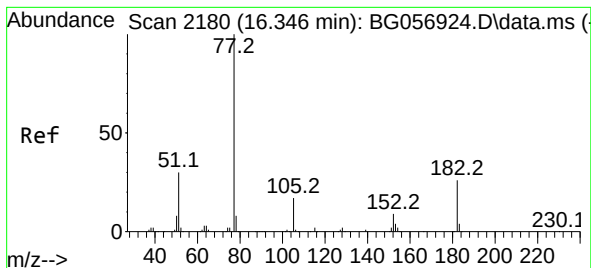
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#62
4-Nitroaniline
Concen: 6.853 ng
RT: 16.069 min Scan# 2133
Delta R.T. -0.013 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

Tgt Ion:138 Resp: 6289
Ion Ratio Lower Upper
138 100
92 48.0 40.9 80.9
108 105.3 104.3 144.3





#63

Azobenzene

Concen: 6.821 ng

RT: 16.339 min Scan# 2180

Delta R.T. -0.008 min

Lab File: BG056944.D

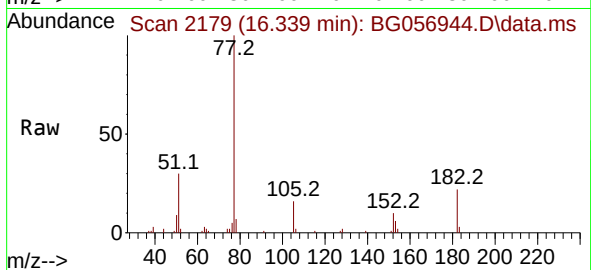
Acq: 31 Mar 2023 14:50

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 77 Resp: 28224

Ion Ratio Lower Upper

77 100

182 22.4 5.9 45.9

105 16.3 0.0 36.8

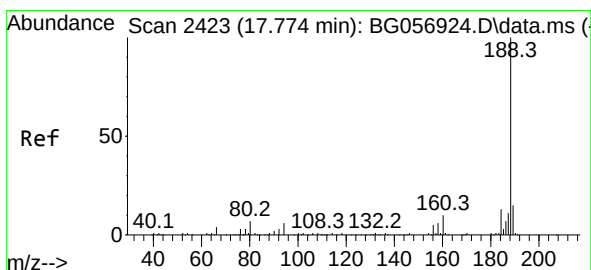
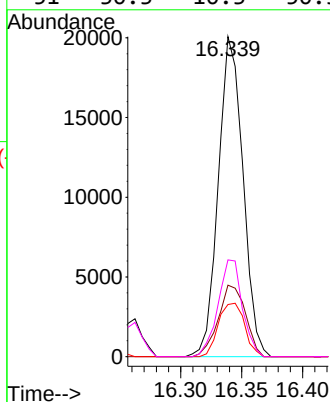
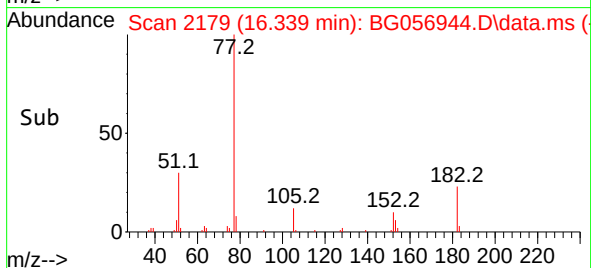
51 30.3 10.3 50.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/03/2023

Supervised By :Jagrut Upadhyay 04/03/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.766 min Scan# 2422

Delta R.T. -0.008 min

Lab File: BG056944.D

Acq: 31 Mar 2023 14:50

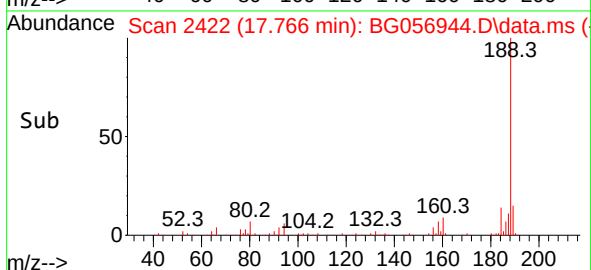
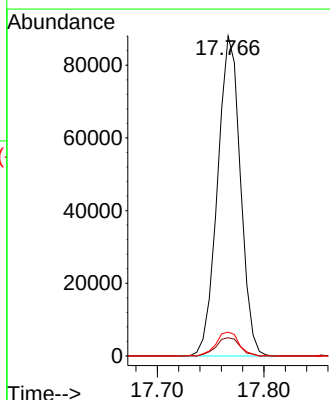
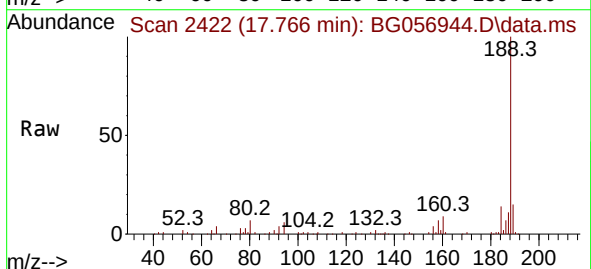
Tgt Ion:188 Resp: 130969

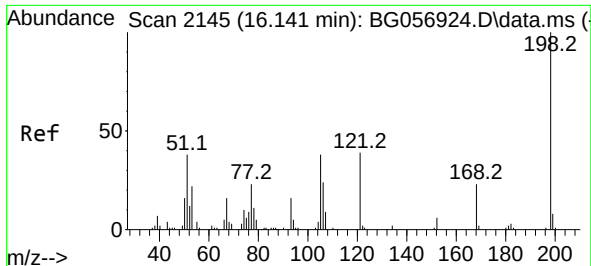
Ion Ratio Lower Upper

188 100

94 5.7 4.6 6.8

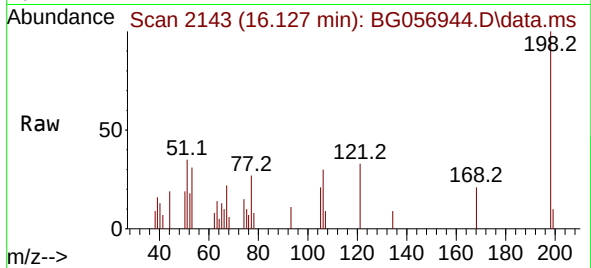
80 7.5 5.5 8.3





#65
4,6-Dinitro-2-methylphenol
Concen: 5.521 ng
RT: 16.127 min Scan# 2143
Delta R.T. -0.013 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

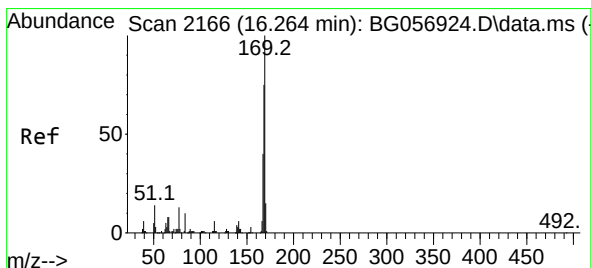
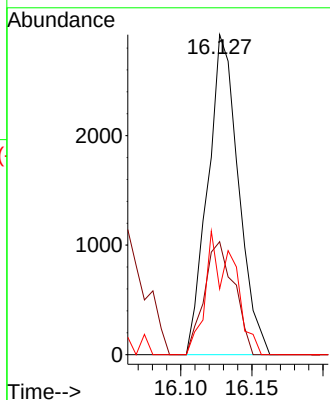
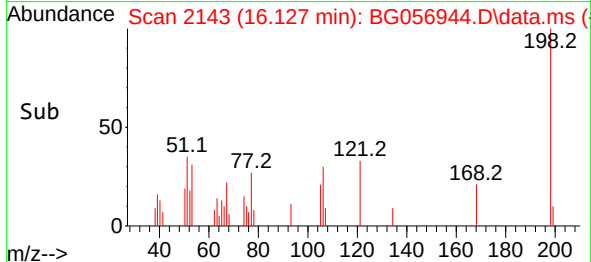
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



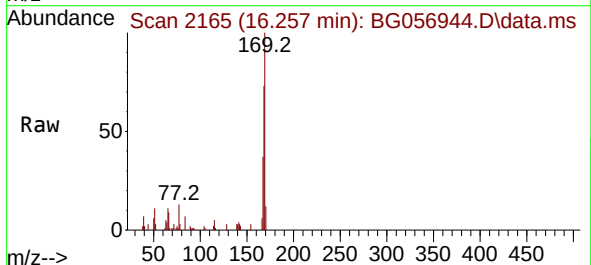
Tgt Ion:198 Resp: 4379
Ion Ratio Lower Upper
198 100
51 35.3 20.5 60.5
105 20.5 18.1 58.1

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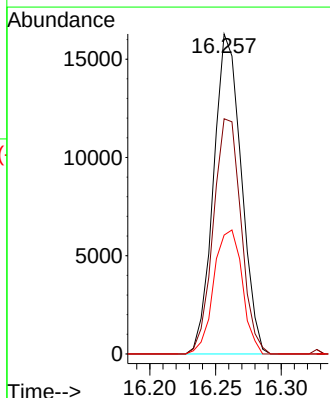
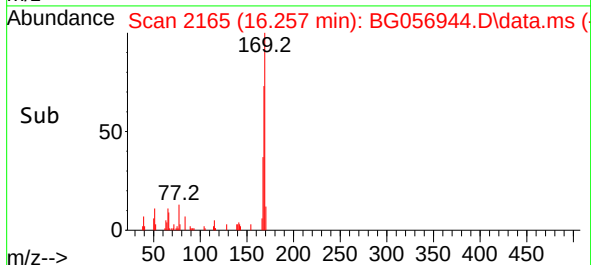
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

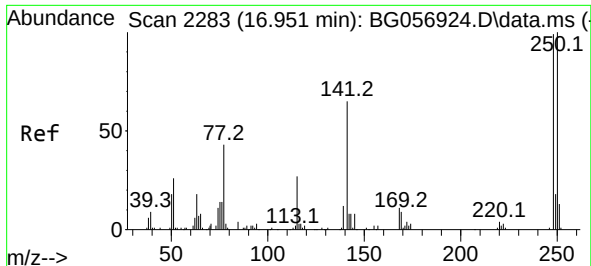


#66
n-Nitrosodiphenylamine
Concen: 6.795 ng
RT: 16.257 min Scan# 2165
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50



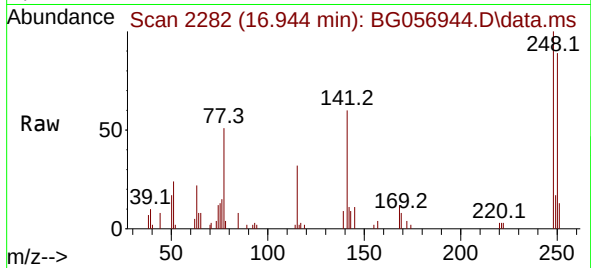
Tgt Ion:169 Resp: 23889
Ion Ratio Lower Upper
169 100
168 73.5 59.6 89.4
167 37.2 31.8 47.8





#67
4-Bromophenyl-phenylether
Concen: 6.383 ng
RT: 16.944 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

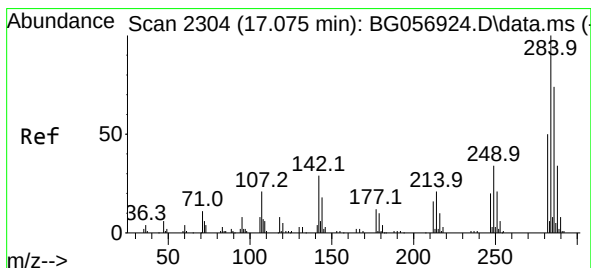
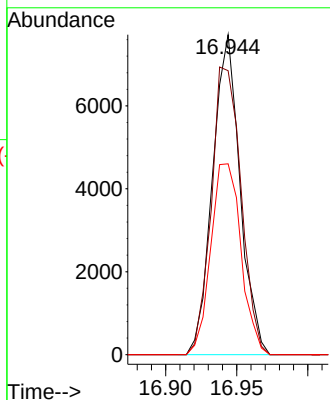
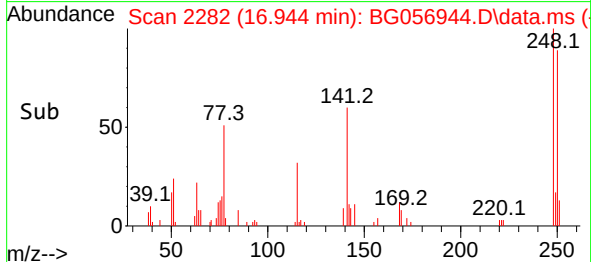
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



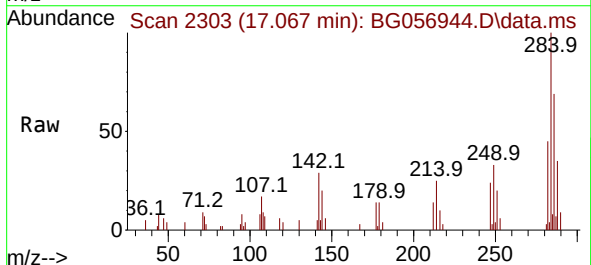
Tgt Ion:248 Resp: 10344
Ion Ratio Lower Upper
248 100
250 88.7 80.5 120.7
141 59.7 52.0 78.0

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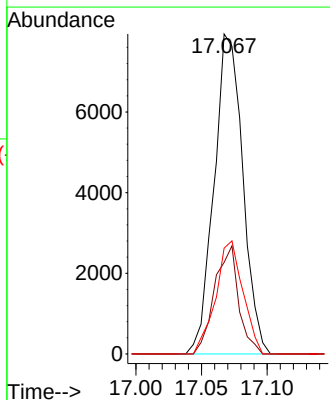
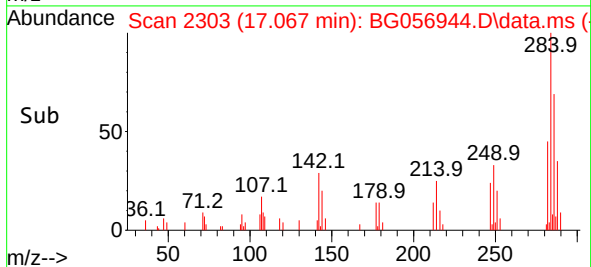
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

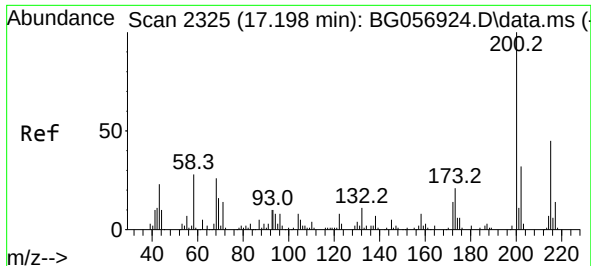


#68
Hexachlorobenzene
Concen: 7.525 ng
RT: 17.067 min Scan# 2303
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50



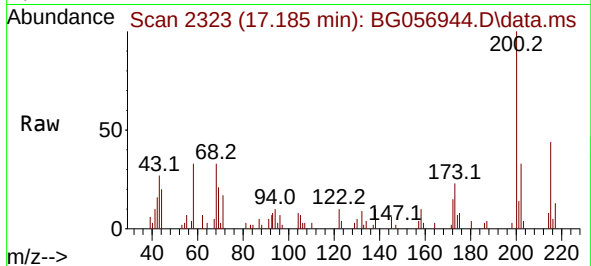
Tgt Ion:284 Resp: 12056
Ion Ratio Lower Upper
284 100
142 28.6 23.0 34.4
249 33.1 27.1 40.7





#69
 Atrazine
 Concen: 7.570 ng
 RT: 17.185 min Scan# 211
 Delta R.T. -0.013 min
 Lab File: BG056944.D
 Acq: 31 Mar 2023 14:50

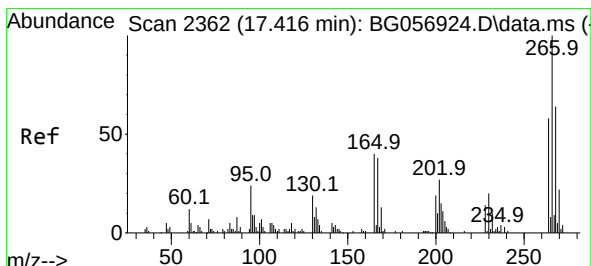
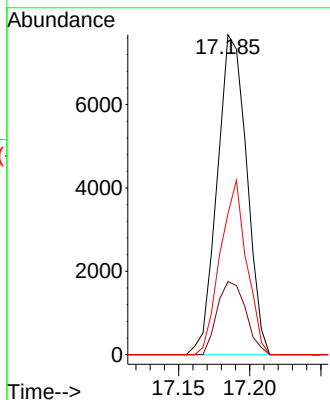
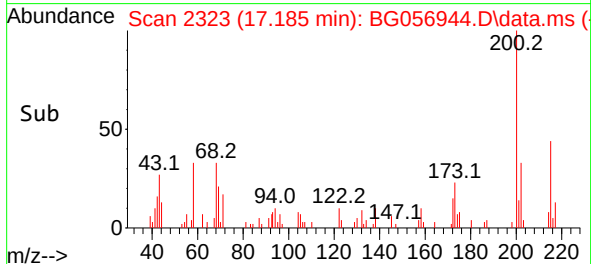
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023



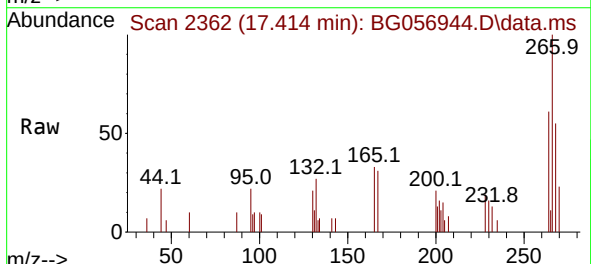
Tgt Ion:200 Resp: 1104
 Ion Ratio Lower Upper
 200 100
 173 22.9 1.0 41.0
 215 44.1 25.0 65.0

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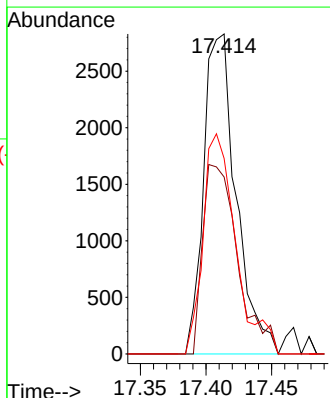
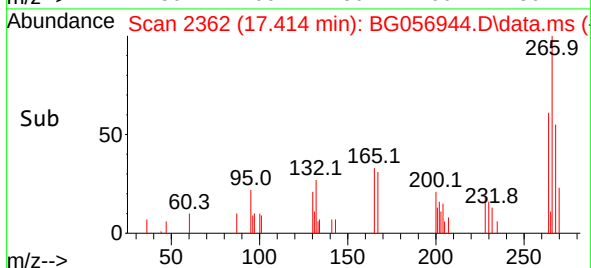
Reviewed By :Christian Giraldo 04/03/2023
 Supervised By :Jagrut Upadhyay 04/03/2023

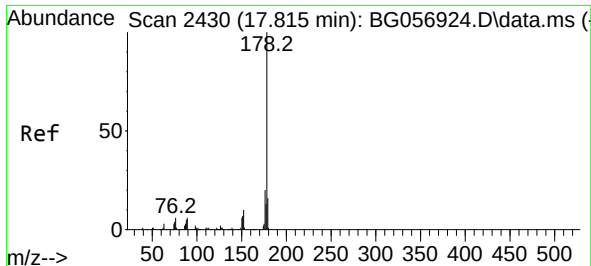


#70
 Pentachlorophenol
 Concen: 4.226 ng
 RT: 17.414 min Scan# 2362
 Delta R.T. -0.002 min
 Lab File: BG056944.D
 Acq: 31 Mar 2023 14:50



Tgt Ion:266 Resp: 4857
 Ion Ratio Lower Upper
 266 100
 268 55.3 51.0 76.6
 264 61.1 46.8 70.2





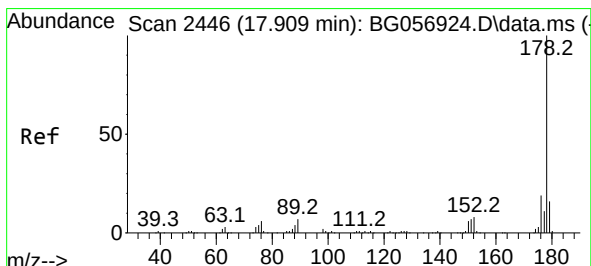
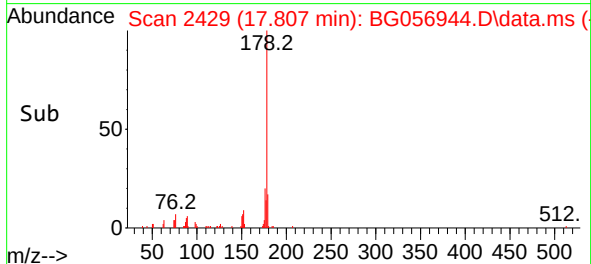
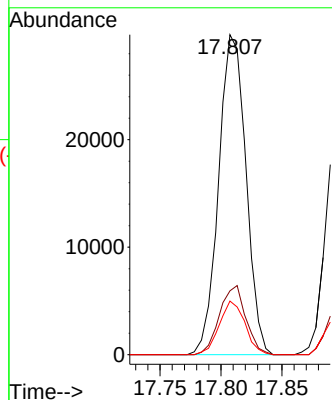
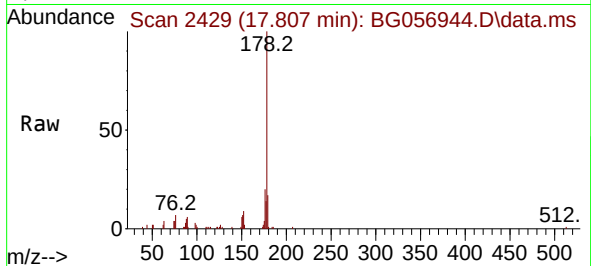
#71
Phenanthrene
Concen: 6.953 ng
RT: 17.807 min Scan# 2430
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:178 Resp: 4643
Ion Ratio Lower Upper
178 100
176 20.0 16.2 24.2
179 16.8 12.5 18.7

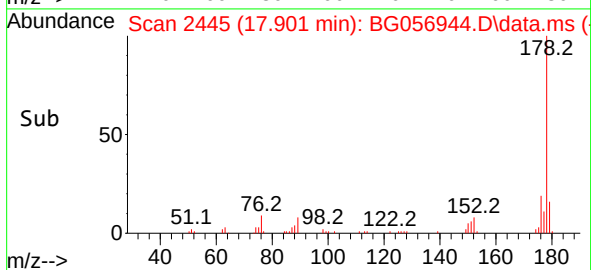
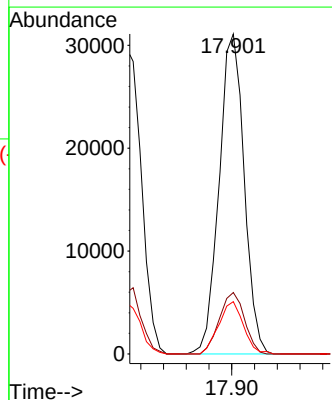
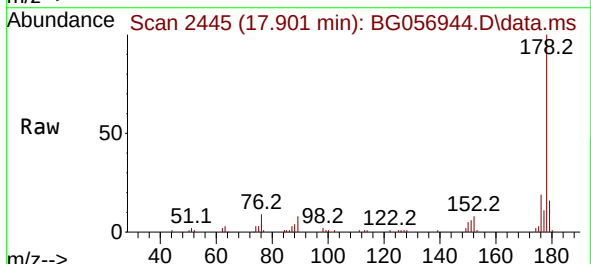
Manual Integrations
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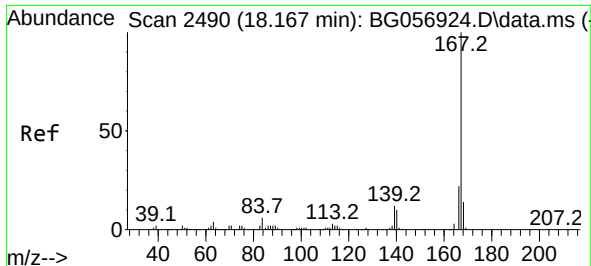
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#72
Anthracene
Concen: 6.945 ng
RT: 17.901 min Scan# 2445
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

Tgt Ion:178 Resp: 47540
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 16.4 12.4 18.6





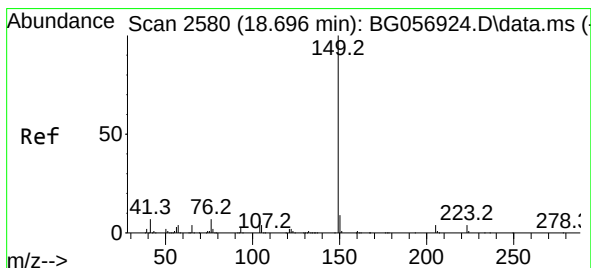
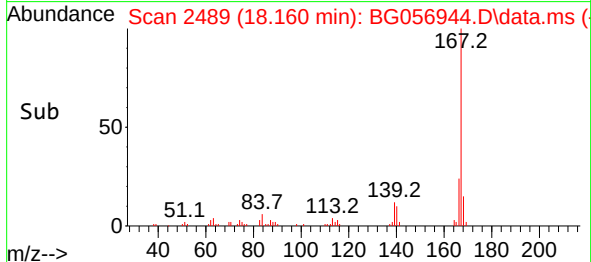
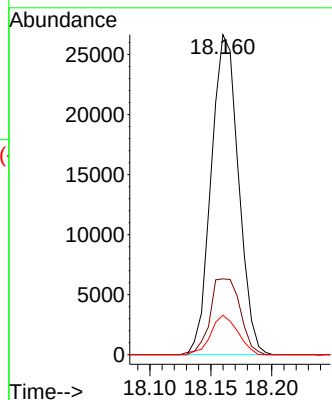
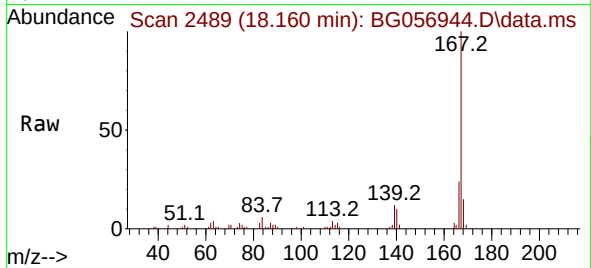
#73
Carbazole
Concen: 6.954 ng
RT: 18.160 min Scan# 2490
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:167 Resp: 41502
Ion Ratio Lower Upper
167 100
166 23.7 17.9 26.9
139 12.3 9.5 14.3

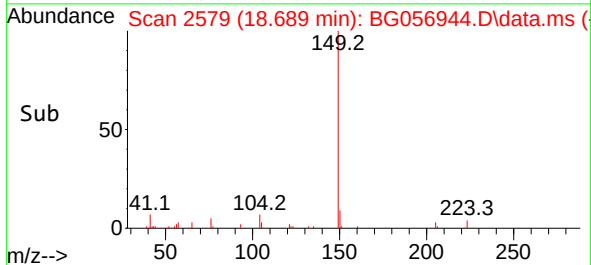
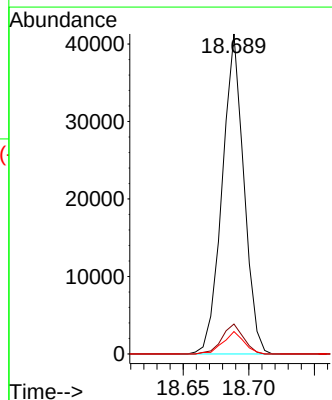
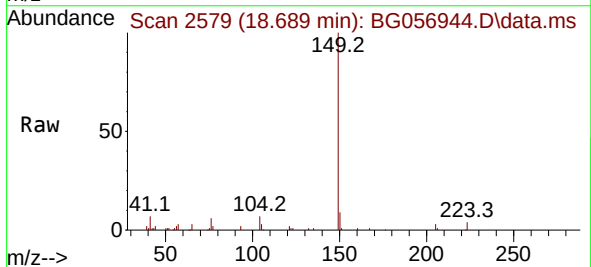
Manual Integrations
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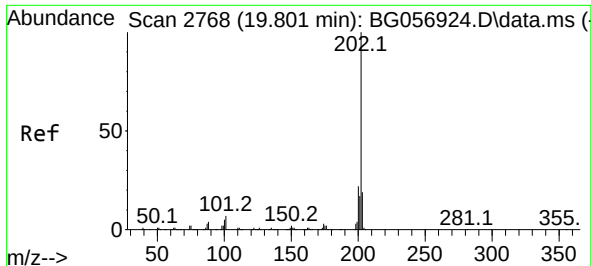
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#74
Di-n-butylphthalate
Concen: 6.844 ng
RT: 18.689 min Scan# 2579
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

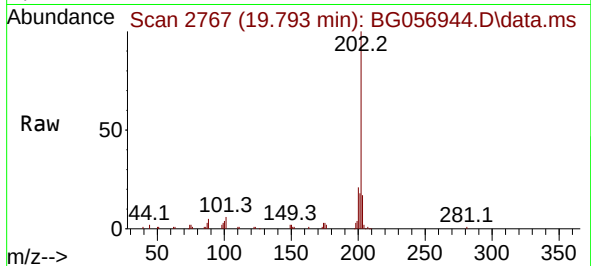
Tgt Ion:149 Resp: 47301
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 7.0 4.9 7.3





#75
Fluoranthene
Concen: 7.007 ng
RT: 19.793 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

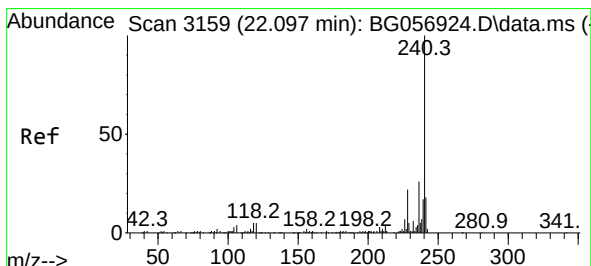
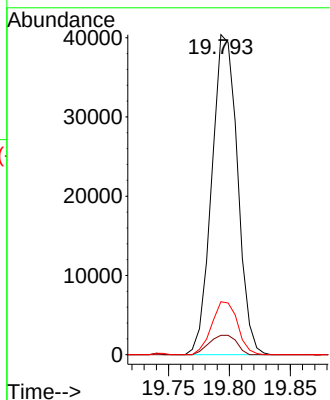
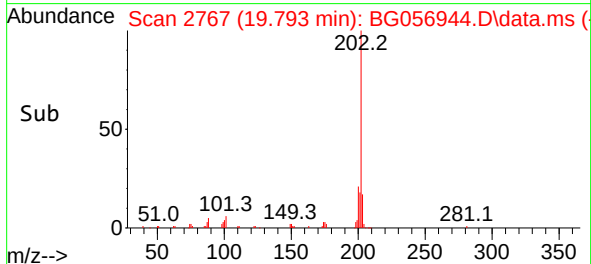
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:202 Resp: 59310
Ion Ratio Lower Upper
202 100
101 6.1 0.0 26.7
203 16.6 0.0 39.0

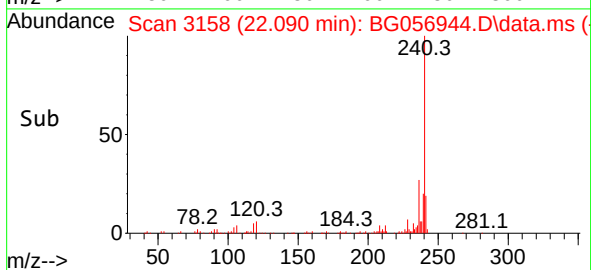
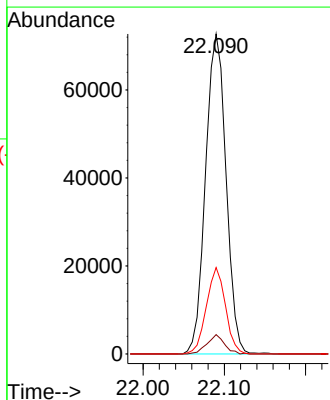
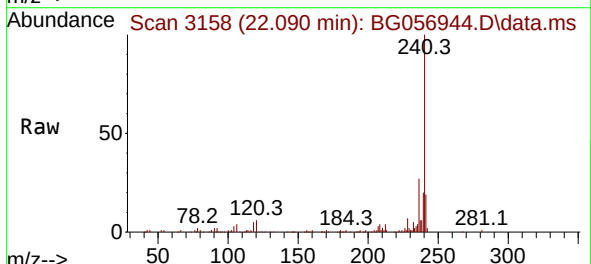
Manual Integrations
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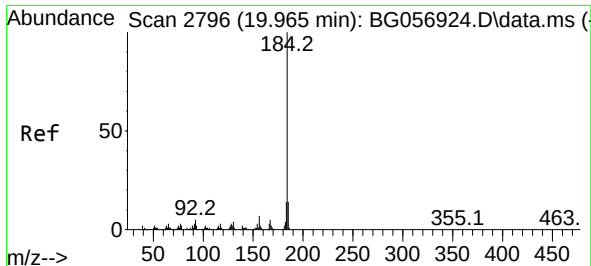
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.090 min Scan# 3158
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

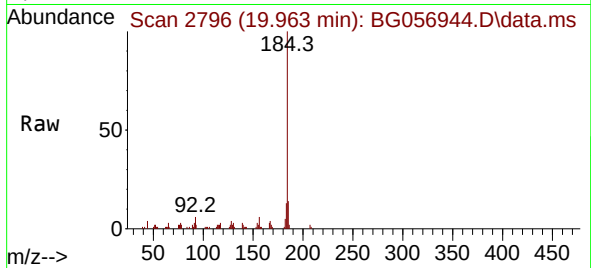
Tgt Ion:240 Resp: 127291
Ion Ratio Lower Upper
240 100
120 6.1 3.8 5.6#
236 27.0 21.0 31.6





#77
Benzidine
Concen: 9.946 ng
RT: 19.963 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

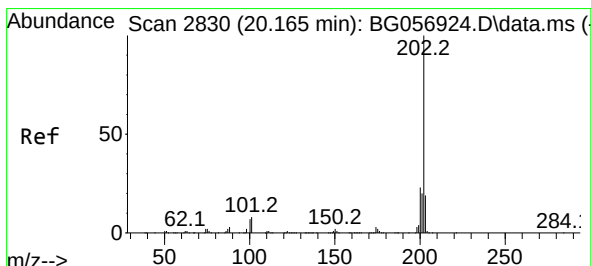
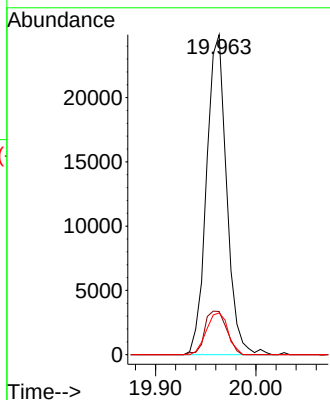
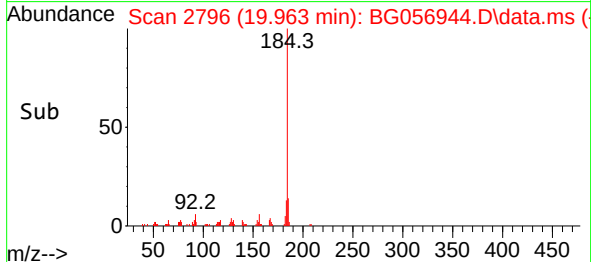
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



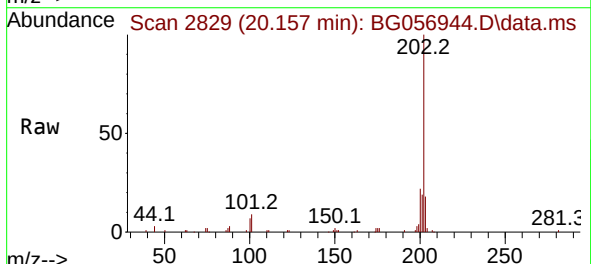
Tgt Ion:184 Resp: 3460
Ion Ratio Lower Upper
184 100
185 13.5 11.0 16.4
183 13.1 11.4 17.0

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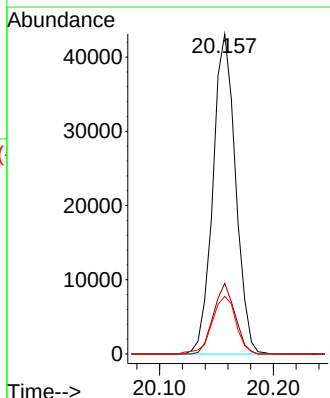
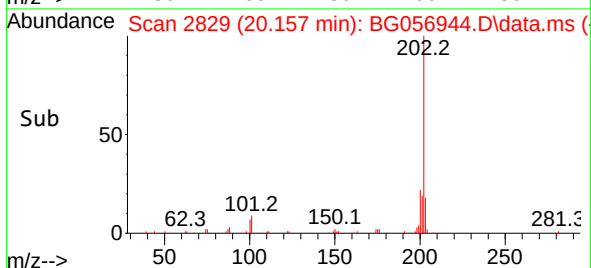
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

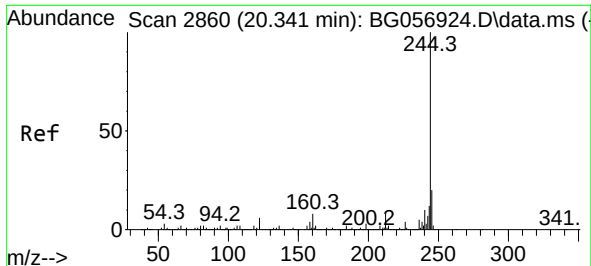


#78
Pyrene
Concen: 6.782 ng
RT: 20.157 min Scan# 2829
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50



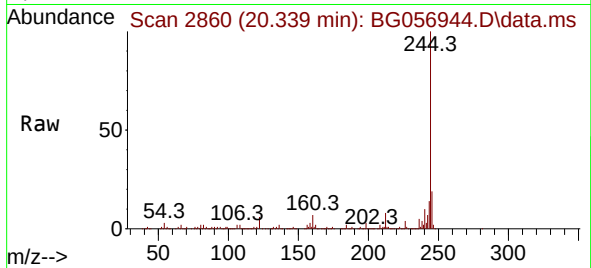
Tgt Ion:202 Resp: 59706
Ion Ratio Lower Upper
202 100
200 22.0 18.7 28.1
203 18.0 15.4 23.2





#79
 Terphenyl-d14
 Concen: 76.316 ng
 RT: 20.339 min Scan# 2860
 Delta R.T. -0.002 min
 Lab File: BG056944.D
 Acq: 31 Mar 2023 14:50

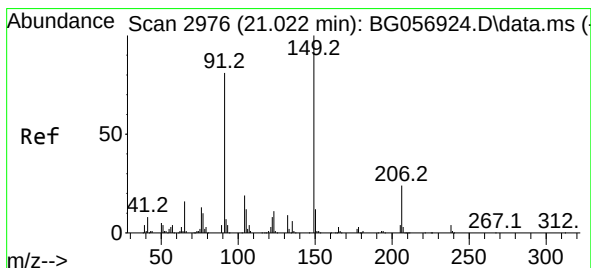
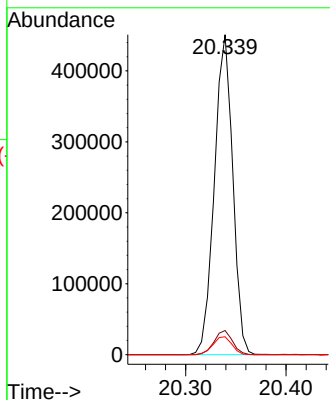
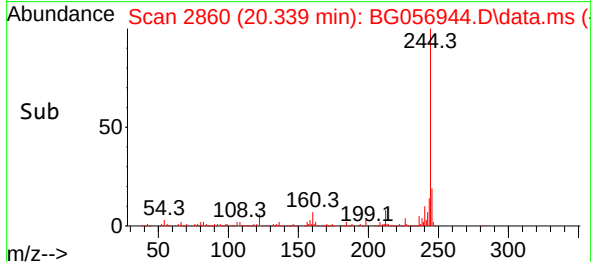
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:244 Resp: 57408
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 5.6 5.0 7.4

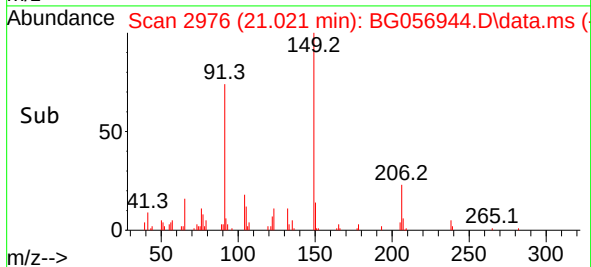
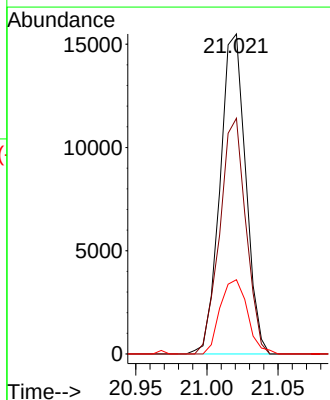
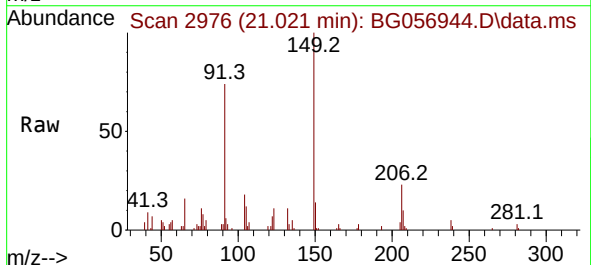
Manual Integrations
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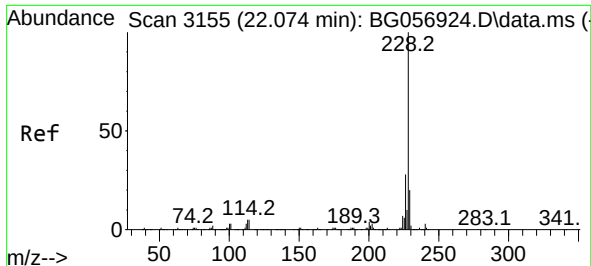
Reviewed By :Christian Giraldo 04/03/2023
 Supervised By :Jagrut Upadhyay 04/03/2023



#80
 Butylbenzylphthalate
 Concen: 6.430 ng
 RT: 21.021 min Scan# 2976
 Delta R.T. -0.002 min
 Lab File: BG056944.D
 Acq: 31 Mar 2023 14:50

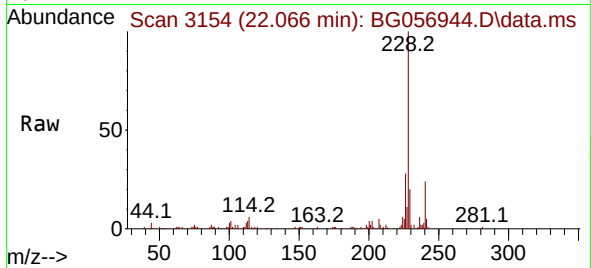
Tgt Ion:149 Resp: 19481
 Ion Ratio Lower Upper
 149 100
 91 73.6 64.4 96.6
 206 23.2 18.9 28.3





#81
Benzo(a)anthracene
Concen: 6.830 ng
RT: 22.066 min Scan# 3155
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

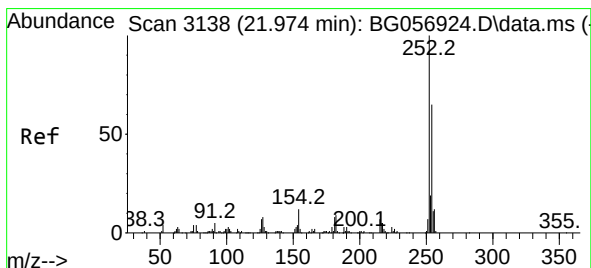
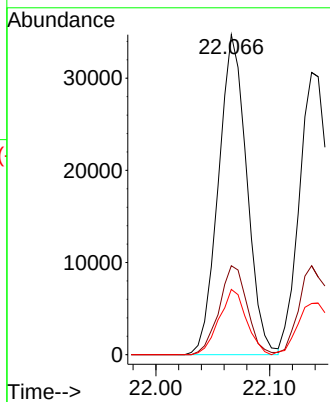
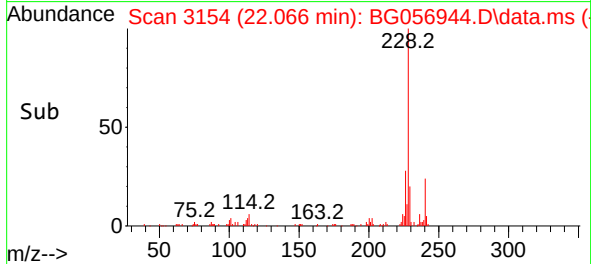
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:228 Resp: 60159
Ion Ratio Lower Upper
228 100
226 27.8 22.1 33.1
229 20.4 16.1 24.1

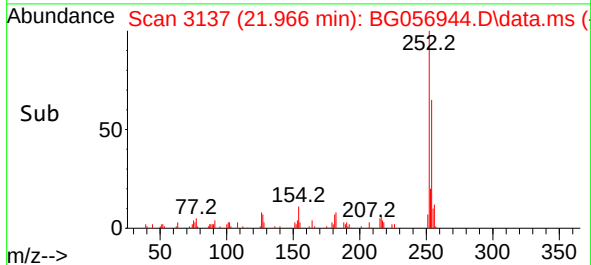
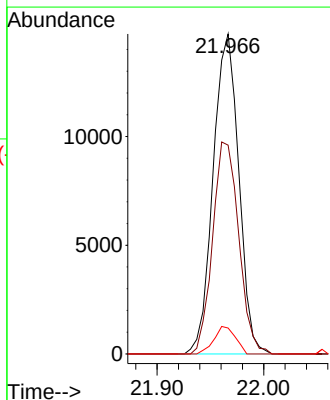
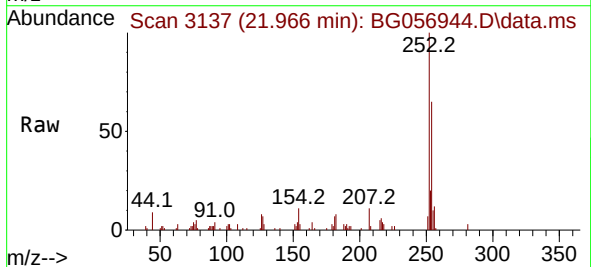
Manual Integrations
APPROVED

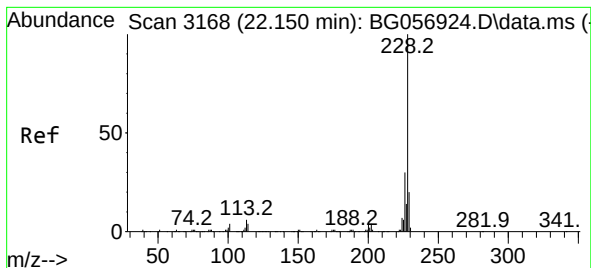
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#82
3,3'-Dichlorobenzidine
Concen: 8.245 ng
RT: 21.966 min Scan# 3137
Delta R.T. -0.008 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

Tgt Ion:252 Resp: 24524
Ion Ratio Lower Upper
252 100
254 65.2 51.7 77.5
126 8.1 5.6 8.4





#83

Chrysene

Concen: 6.736 ng

RT: 22.137 min Scan# 31

Delta R.T. -0.013 min

Lab File: BG056944.D

Acq: 31 Mar 2023 14:50

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

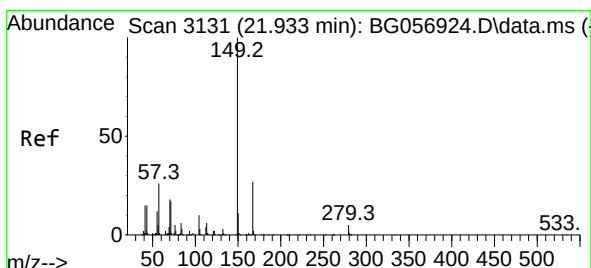
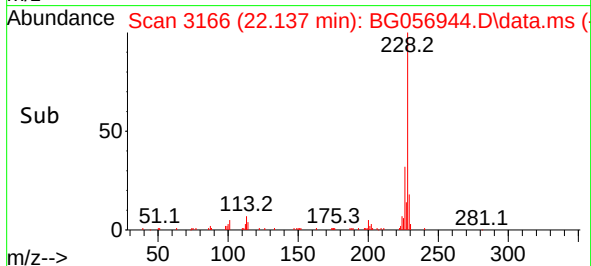
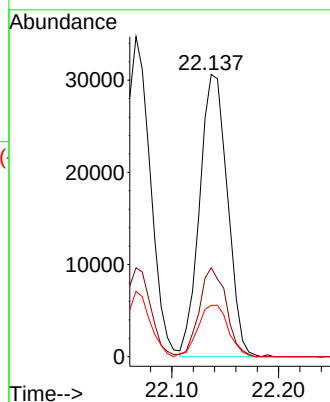
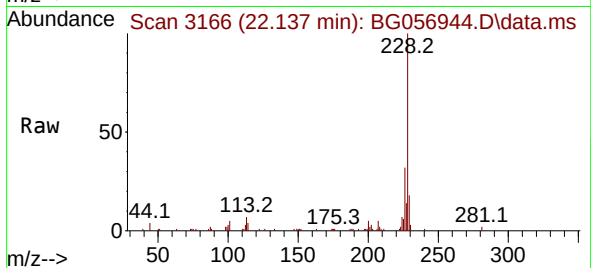
Tgt Ion:	228	Resp:	5555
Ion Ratio	Lower	Upper	
228	100		
226	31.5	24.1	36.1
229	18.1	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/03/2023

Supervised By :Jagrut Upadhyay 04/03/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.625 ng

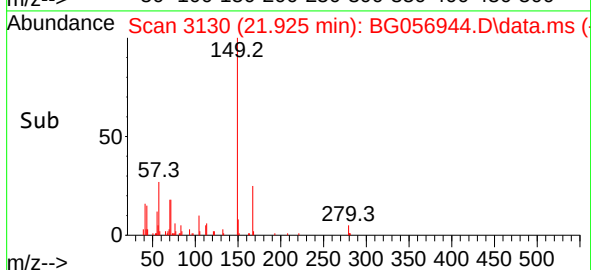
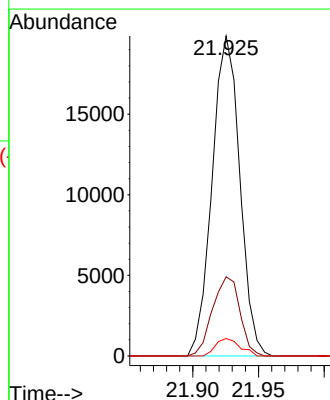
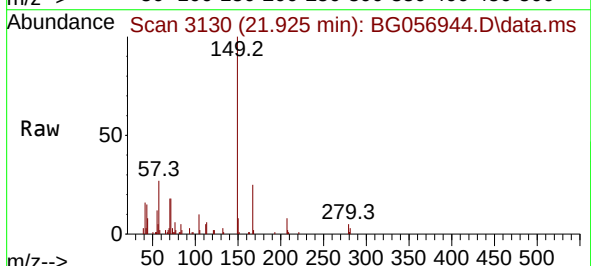
RT: 21.925 min Scan# 3130

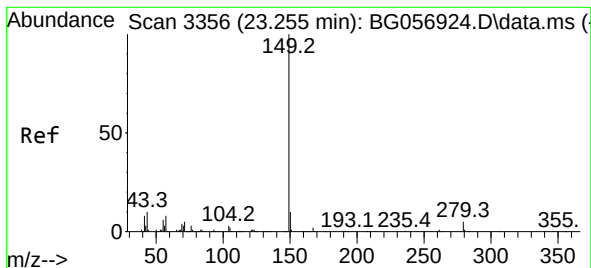
Delta R.T. -0.008 min

Lab File: BG056944.D

Acq: 31 Mar 2023 14:50

Tgt Ion:	149	Resp:	29065
Ion Ratio	Lower	Upper	
149	100		
167	24.8	21.4	32.2
279	5.5	3.9	5.9





#85

Di-n-octyl phthalate

Concen: 6.474 ng

RT: 23.247 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG056944.D

Acq: 31 Mar 2023 14:50

Instrument :

BNA_G

ClientSampleId :

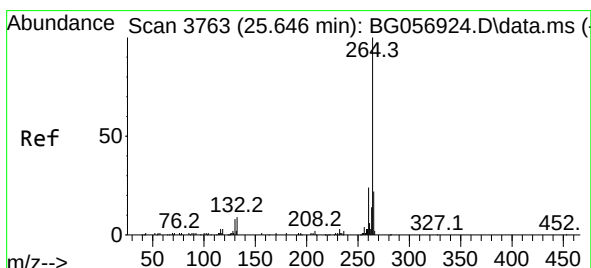
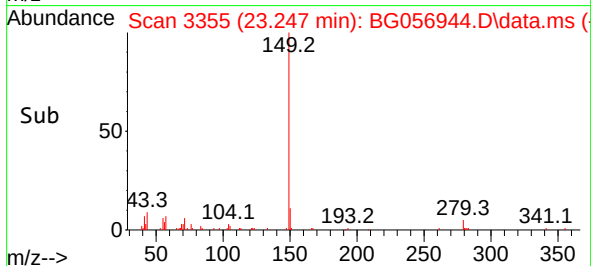
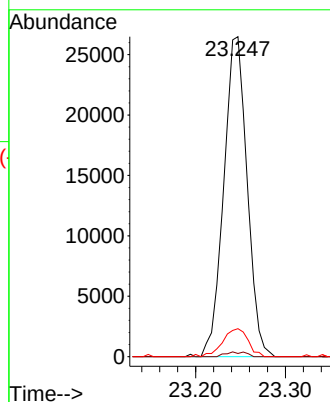
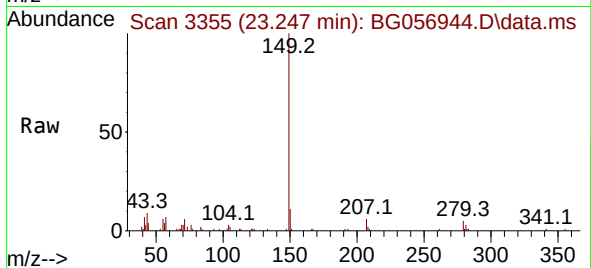
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:149	Resp:	4786
Ion Ratio	Lower	Upper
149	100	
167	1.3	1.3 1.9
43	9.6	7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#86

Perylene-d12

Concen: 20.000 ng

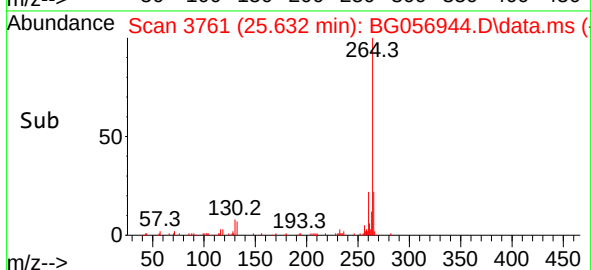
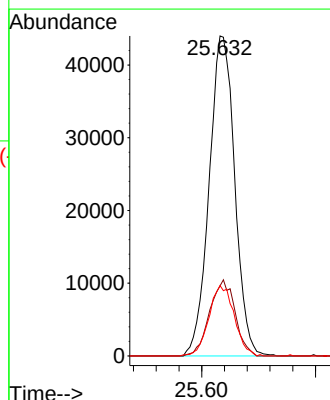
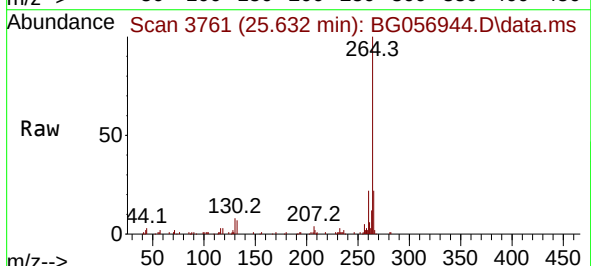
RT: 25.632 min Scan# 3761

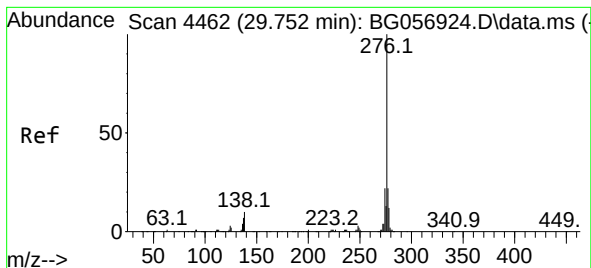
Delta R.T. -0.013 min

Lab File: BG056944.D

Acq: 31 Mar 2023 14:50

Tgt Ion:264	Resp:	137210
Ion Ratio	Lower	Upper
264	100	
260	21.9	19.0 28.4
265	22.0	17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.927 ng

RT: 29.709 min Scan# 4462

Delta R.T. -0.043 min

Lab File: BG056944.D

Acq: 31 Mar 2023 14:50

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 276 Resp: 7024

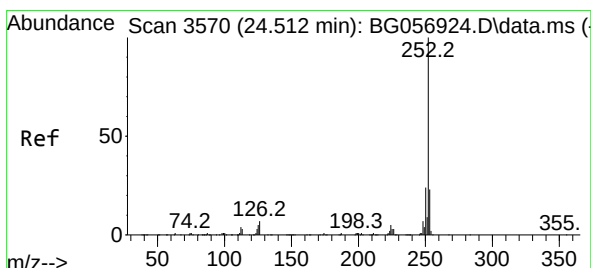
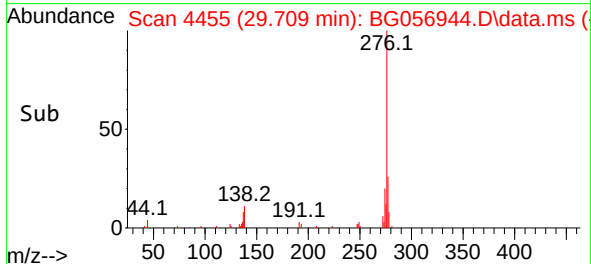
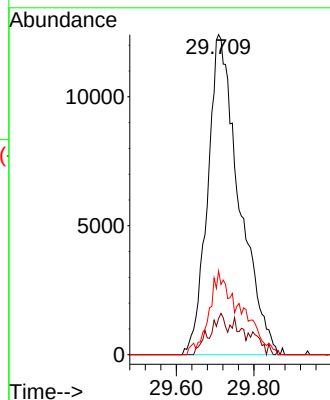
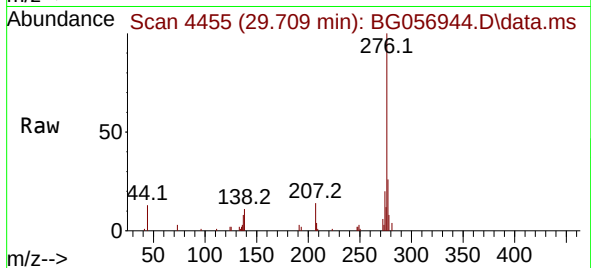
Ion	Ratio	Lower	Upper
276	100		
138	2.9	7.7	11.5
277	15.5	21.0	31.4

Manual Integrations

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Reviewed By : Christian Giraldo 04/03/2023

Supervised By : Jagrut Upadhyay 04/03/2023



#88

Benzo(b)fluoranthene

Concen: 7.081 ng

RT: 24.492 min Scan# 3567

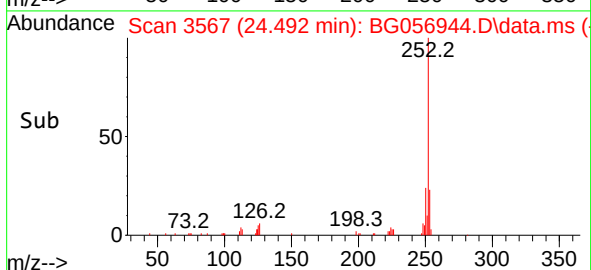
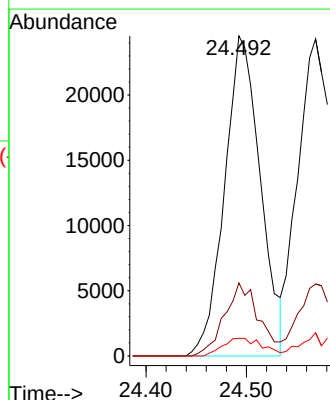
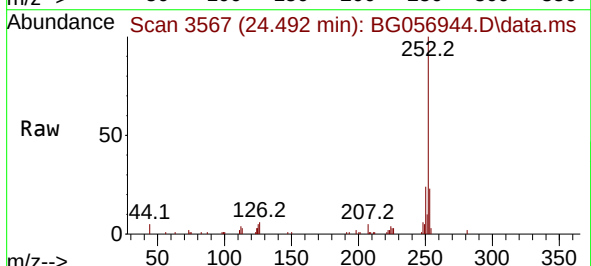
Delta R.T. -0.019 min

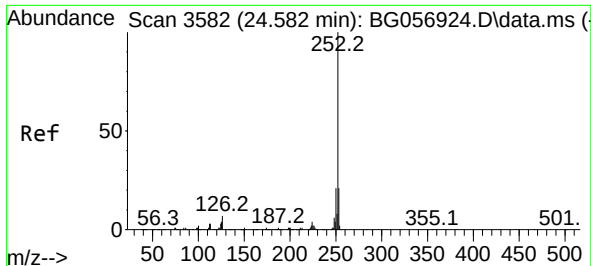
Lab File: BG056944.D

Acq: 31 Mar 2023 14:50

Tgt Ion: 252 Resp: 60758

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	5.5	4.2	6.4





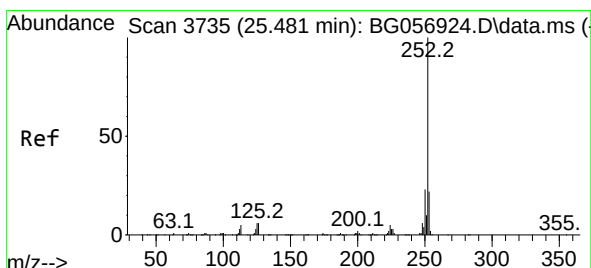
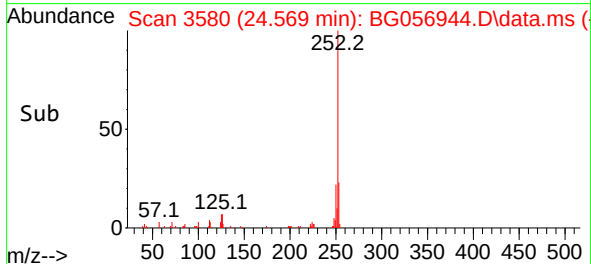
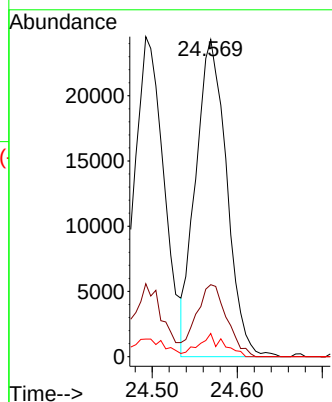
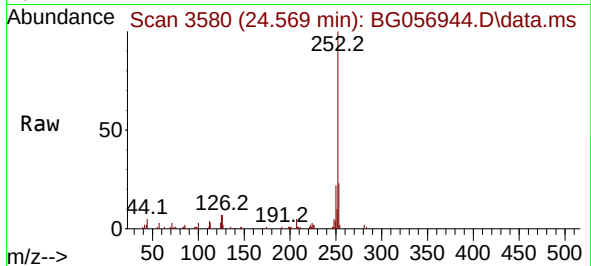
#89
Benzo(k)fluoranthene
Concen: 7.183 ng m
RT: 24.569 min Scan# 31
Delta R.T. -0.013 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:252 Resp: 6152
Ion Ratio Lower Upper
252 100
253 22.7 17.1 25.7
125 7.3 3.8 5.6

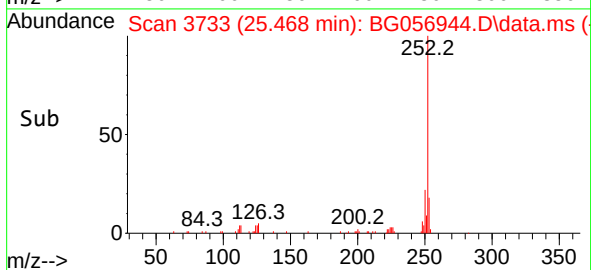
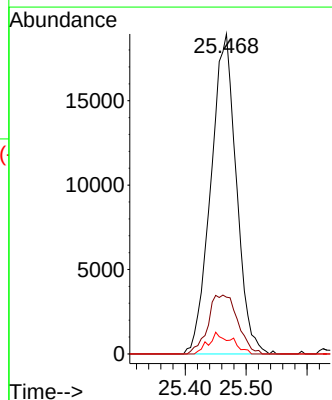
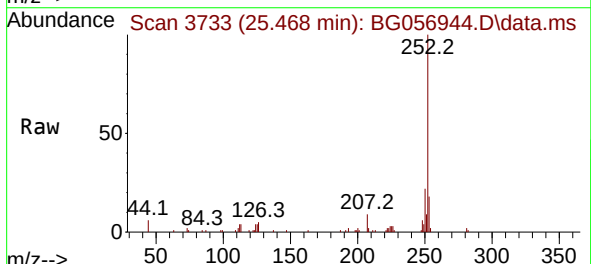
Manual Integrations
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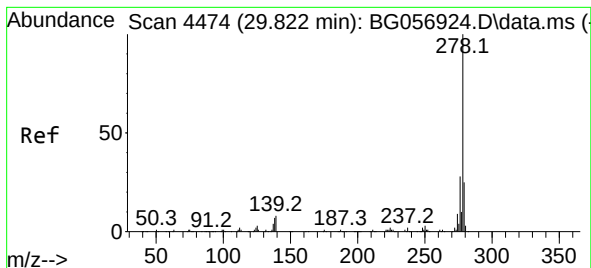
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#90
Benzo(a)pyrene
Concen: 6.512 ng
RT: 25.468 min Scan# 3733
Delta R.T. -0.013 min
Lab File: BG056944.D
Acq: 31 Mar 2023 14:50

Tgt Ion:252 Resp: 54901
Ion Ratio Lower Upper
252 100
253 17.8 17.6 26.4
125 4.2 4.5 6.7#





#91

Dibenzo(a,h)anthracene

Concen: 6.969 ng

RT: 29.791 min Scan# 4474

Delta R.T. -0.031 min

Lab File: BG056944.D

Acq: 31 Mar 2023 14:50

Instrument :

BNA_G

ClientSampleId :

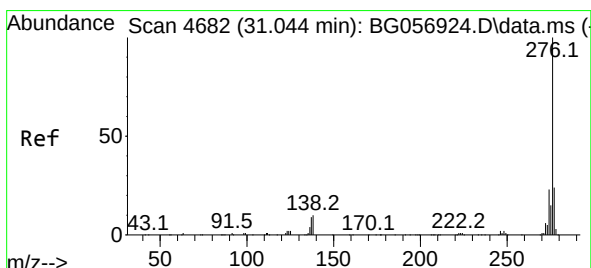
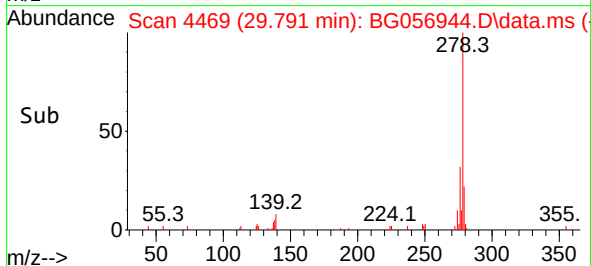
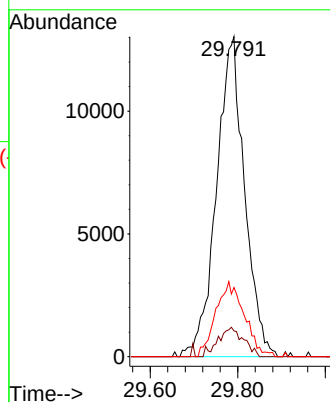
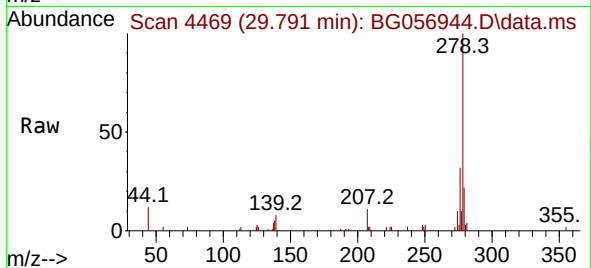
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:278 Resp: 5809
 Ion Ratio Lower Upper
 278 100
 139 8.1 6.4 9.6
 279 21.6 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/03/2023
 Supervised By :Jagrut Upadhyay 04/03/2023



#92

Benzo(g,h,i)perylene

Concen: 6.835 ng

RT: 30.990 min Scan# 4673

Delta R.T. -0.055 min

Lab File: BG056944.D

Acq: 31 Mar 2023 14:50

Tgt Ion:276 Resp: 55788
 Ion Ratio Lower Upper
 276 100
 277 24.4 19.1 28.7
 138 13.1 8.2 12.2#

